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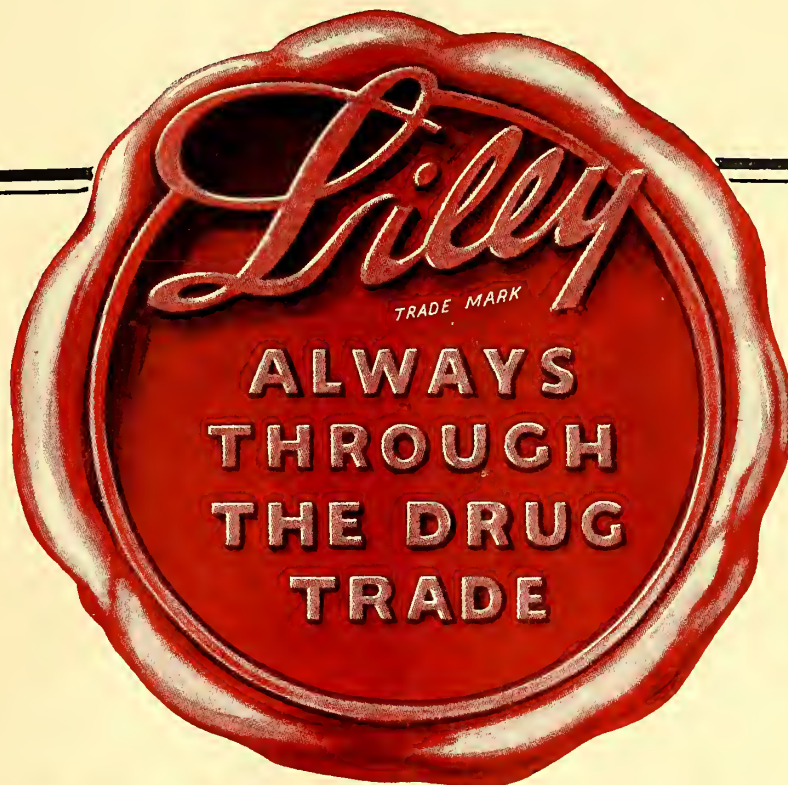
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MAY 27, 1939

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**HALYCITROL**  
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**ORDER 6 bottles YOU  
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In attractive 1/2 doz. display outers

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**ORDER 3 bottles of this  
 size YOU PAY FOR 2**

In attractive 1/2 doz. display outers

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in the usual way through your wholesaler, the free bottles will be included in the parcel.

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**6 MILLION ADVERTISEMENTS**

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BRAND  
**INDIGESTION TABLETS**



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are made from the best quality raw materials and are of a very high standard

**BERGAMOT  
NUTMEG**

**LEMON  
PEPPERMINT**

**ORANGE  
LAVENDER**

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## OF "SWIFTAN" ON ORDERS FOR **COOLTAN**

Here is a new kind of Offer, on the Leading Summer Toilet Line. A Bonus on "Cooltan" is worth something, because it is a Free Gift on a line that "sells like hot cakes." We make the Offer because we want to introduce to you a NEW Sun Tan Cream, which we think will make an excellent Team-Mate for "Cooltan." This new line is "SWIFTAN." It is merchandised

by Sun Island Chemicals, Ltd. In some respects "Swiftan" is like "Cooltan." Yet it is very different. "Cooltan" works naturally; "Swiftan," partly naturally, and partly by artificial means. Both Products are outstanding Chemical achievements. Both produce a quick Tan, prevent SunBURN, and relieve SunBURN Pain. "Cooltan" takes 2 hours to develop its marvellous Tan. "Swiftan" takes 2 minutes. That doesn't mean that "Swiftan" is better—it only means that a lot of people are in a great hurry to see results, and will want the "Swiftan" kind of Bronze when they discover how effective it is.

**FOR A FEW DAYS ONLY**

### TWO SALES INSTEAD OF ONE!

People often come into your Shop in twos, especially for Summer Lines. They will sometimes share a package of "Cooltan." Now you can confidently sell one of them "Cooltan" and the other one "Swiftan." It's easy. And ★ 'Gold Medals' for you, because both Products do their work.

### HERE'S THE OFFER:

On all orders for "COOLTAN" received by the Proprietors for delivery between the date on this Issue and June 8th, a Free Bonus of One 1s. 3d. Tube of "Swiftan" will be given for each Dozen "Cooltan" ordered. Minimum "Cooltan" order for Bonus, 3 Dozen. Maximum, 16 Dozen. Orders may be assorted as to "Cooltan" sizes, but not more than  $\frac{1}{3}$  of the Bonus Order may be for the 6d. size. Any Retailer who Sells and Displays all sizes of "Cooltan" is eligible. So is any Wholesaler, but the latter can only have Bonus Goods on the Bonus orders he gets. Good "Cooltan" Showcards are available and will be enclosed (where requested) with orders placed Direct. Orders placed Direct by Customers new to us must be accompanied by Cash or satisfactory References.

Figures Prove that Many Chemists can Sell, with our Unstinted Help, 16 Dozen "Cooltan" Before July 27—**This Way**! They Can Make an EXTRA 20/- ON THE DEAL!

#### "Cooltan" Prices

No. 1 (6d.) Size	Trade 4/6 Doz.
No. 2 (1/3) Size	Trade 10/10 Doz.
No. 3 (2/-) Size	Trade 17/3 Doz.
No. 4 (2/6) Lotion	Trade 21/- Doz.

#### "Swiftan" Prices

One size only (Tubes), Retailing at 1/3 a package. Trade Price 10/10 Dozen. All orders for "Swiftan" (not "Cooltan") received between now and July 1st will be on the basis of 13 to the Dozen, whether through the Wholesaler or Direct. We pay carriage. We guarantee strong Advertising Support.

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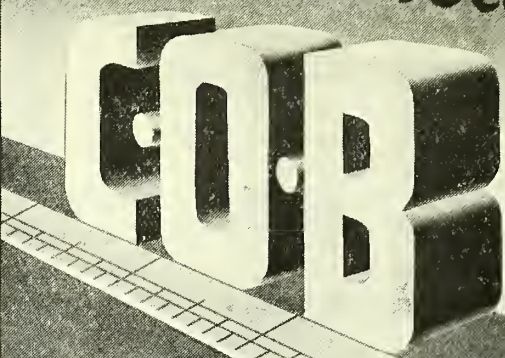
A New Idea—a Marvellous Summer Nail Polish—in One Shade only—a 'taking' blend of Sun Tan, Dusty Hawaiian Rose, Heather and Clover—all in one Polish. Won't fade in the Sun. Just right for toe-nails (Beach Shoes) as well as finger-nails. A winner. (Will be advertised.) Selling at 1/6d.—Trade 12/3 a Dozen—13 to the Dozen until July 1st. If you wish, HALF YOUR BONUS on the above Offer can consist of "Cooltan" Nail Lacquer.



Our Advertising Promotes the Sun Tan Idea. That Idea means Sales of many lines besides "Cooltan" and "Swiftan." The more we advertise the better your Summer Trade.



**IT'S VALUE IS MEASURED  
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● If any doubts write us for samples and prices

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## THE BIGGER TUBE for BIGGER SALES

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Display outer  
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For family use, the original liquid SunTAN Cream is to be recommended. Possesses the same properties as the new SunBRONZE Cream.

In White, or  
with Protective  
Colour. Trade  
7/6 per doz.

1/- PER  
BOTTLE



# NURONA Sunbronze CREAM

RETAIL AT  
1/3 per tube

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A well-balanced high power model with two adjustments, high magnification.  
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A high precision instrument with one adjustment, simple to focus.  
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BRING IT CLOSE  
SEE MILES  
**VERY GREAT POWER**  
EQUAL TO EXPENSIVE BINOCULARS OR FIELD GLASSES

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RELIABLE  
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When urgently in need of bread and butter lines, think of Maw's brands first, because they are known nationally and they are reasonably priced.

You can obtain supplies by the quickest possible routes, either direct from Maw's in London, or from their selected Regional Wholesalers, as listed below.

These Wholesalers carry stocks of all Maw lines of major importance.

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*—and it's British Made throughout!*

The New Manesty D3 Rotary Tablet Machine has proved itself superior to anything in its class, and in addition it is British Made, British Materials, British Workmanship.

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## ROTARY TABLET MACHINE

Output of tablets—300-350 per minute.

**NEW** design of turret prevents powder dropping on to bottom punches.

**NEW** long bottom punches—longer life and greater resistance to fatigue.

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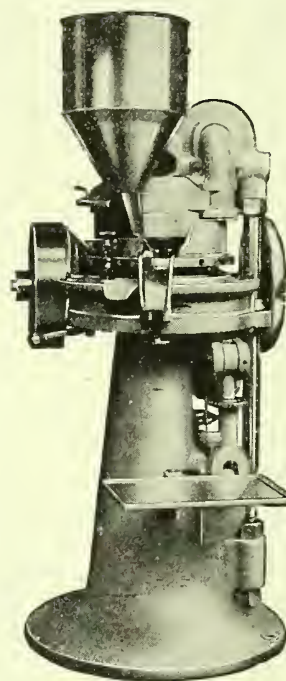
Stainless steel hopper fitted as standard.

**NEW** type excess pressure release relieves the strain on the punches should foreign matter enter the dies.

**NEW** type adjusting screws on feed frame make adjustment and removal very simple.

Entirely **NEW** type of hopper adjustment allows horizontal and vertical motion.

**NEW** tablet chute—easily removable.



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We manufacture various types and will gladly advise you as to the best type of machine for your purpose. These are sturdy, well-built machines designed by engineers who know their job. They will give you a lifetime of trouble-free service. May we send you our latest catalogue?

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IN FURNISHING YOUR SHOP FROM OUR RECONDITIONED DRUG RUNS, WALL-CASES, DISPENSING SCREENS, COUNTERS, SHOW-CASES, WINDOW-SHELVES AND FITTINGS, PERSONAL AND DISPENSING SCALES, CASH REGISTERS, ETC.



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# A Powerful Restorative containing active liver extract and colloidal iron

## HEPRONA

A rational tonic which promotes  
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Restores physical and mental  
tone after exhausting illness

Highly effective in Debility  
and Secondary Anæmia

Heprona contains active liver  
extract (Hepatex), colloidal iron  
and vitamins B<sub>1</sub>, B<sub>2</sub> and C

Being a product of  
The Evans Biological Institute  
chemists can recommend it  
with full confidence in its  
therapeutic value

Literature and sample sent on request



Issued in bottles of 6 fluid oz. 4/6 each



12 " " 8/- "

Discount to Pharmacists 33 1/3 %

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Liverpool and London



**NEW . . . an effective Show-card  
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## MERCOLIZED WAX

Show it and take advantage of constant advertising and the handsome profit now available.

16/- 28/- 2/- 3/6  
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A BONUS of 10% on £3 assorted orders is offered for a display of MERCOLIZED WAX.

37 GRAY'S INN ROAD · LONDON · W.C.1

**"ALL THE FAMILY"  
are using**

## LANALOL

the supreme preparation that

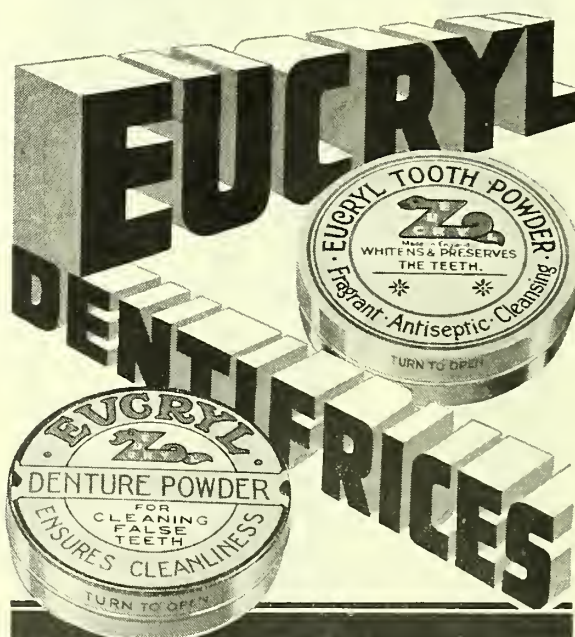
- **NOURISHES** the HAIR ROOTS
- **ELIMINATES** DANDRUFF
- **PROVES** the PERFECT DAILY DRESSING

Lanalol No. 1 With Oil (yellow label), No. 2 Without Oil (green label). 2/6 per bottle. Also our new product—Lanalol Shampoo, the Liquid Soap de Luxe, which has been an instant success. 2/6 per bottle.



P.A.T.A. terms from all Wholesale Houses. Showcards from Lanalol Ltd., 57 Holborn Viaduct, London, E.C.1

**IT PAYS TO STOCK LANALOL**



**BOUGHT ON DISPLAY TERMS YIELD-  
PROFIT ON 39% PROFIT ON 63.6%  
SELLING PRICE BUYING PRICE**

**SHOWCARDS ON REQUEST  
EUCRYL LTD. Manufacturing Chemists, SOUTHAMPTON**



# BIG THINGS AFOOT FOR

## BLUE-JAY

Blue-Jay Corn Plasters and Corn Liquid—proved for years the world's best remedy for corn troubles—now come right to the fore.

Messrs. Bauer & Black, Inc., the World renowned Chicago house, are backing Blue-Jay with one of the strongest National Advertising campaigns ever issued for a corn remedy. Read the details adjoining—note the special introductory offers—stock up with Blue-Jay, the big selling season and the big selling line are HERE!

This novel display is strongly constructed of metal and fully coloured, making a most attractive counter or window feature.



**now SUBJECT TO FULL 33 $\frac{1}{3}$ % DISCOUNT**

★ ★ ★

**SPECIAL INTRODUCTORY OFFERS**

**1. EXTRA 5% ON INITIAL ORDERS FOR ONE DOZEN**

For a limited period, orders for complete dozens will be subject to an extra 5% on the new standard discount of 33 $\frac{1}{3}$ %. On all such orders the price to you will be reduced from 10/- per doz. to 9/6 but will retail at the usual price of 15/- per doz. This offer is also available through wholesalers.

**2. NOVEL HELP-YOU-SELL DISPLAY PIECE free WITH FIRST DOZEN**

The animated, entirely automatic display piece illustrated will be supplied with every initial order for one dozen Blue-Jay Corn Plasters. Movement sells! The Blue-Jay Dancing Girl will put your sales up!

★ ★ ★

**LARGE SCALE NATIONAL ADVERTISING**

Blue-Jay advertisements will be appearing in all the principal national newspapers including Daily Mail, Daily Mirror, Daily Herald, News of the World, John Bull, Glasgow Daily Record, etc., reaching **10,500,000** people every week.

**Sole Distributors:**

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AFRICA HOUSE, KINGSWAY, W.C.2  
to whom all enquiries and orders should be sent

for BLUE-JAY CORN PLASTERS & LIQUID

" CALLOUS PLASTERS

" BUNION PLASTERS, etc., etc.

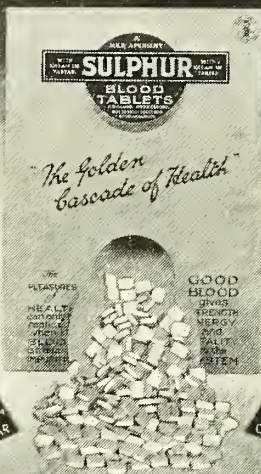


# 'SURE-SHIELD'

*The name that  
means sure Sales!*

## SULPHUR TABLETS WITH CREAM OF TARTAR

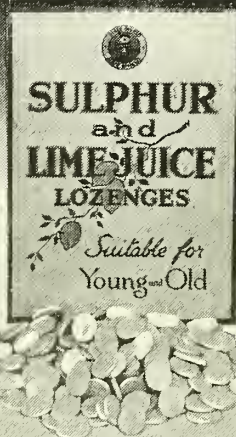
A TABLET OF  
SUPERIOR  
FINISH AND  
QUALITY



Cartons and  
Display Matter  
supplied

## SULPHUR & LIME FRUIT LOZENGES with Cream of Tartar

THE IDEAL  
SPRING AND  
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REMEDY



Cartons and  
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## Continuous and Steadily Advertised Goods FOR DESTROYING RATS AND MICE

### DANYSZ VIRUS

Retail Price (Protected) Net Wholesale Price  
Virus for Rats and Mice, single tube, 2/- .. 15/- per doz.  
3 tubes, 5/- ..  
Virus for Mice only .. single tube, 1/6 .. 9/- ..  
3 tubes, 3/- ..  
Date-expired tubes returned to us postage paid will be exchanged free of charge.

### Danysz Virus in Liquid Form

Retail Price Wholesale Price  
Bottles 6/- each .. 4/6 each  
" 4/6 " .. 3/9 "

### HALLER'S EXTRACT OF SQUILL and DANZO RAT KILLER

Discount off Retail Prices 25% Monthly Account, or 33 1/3% Cash with Order.

	Retail	Monthly A/c	Cash with Order
1/2 gall tins ..	10/-	7/6	6/8
1 " " ..	18/-	13/6	12/-
5 " " ..	80/-	60/-	53/4

### DANZO BEETLE POWDER

For destroying Blackbeetles, Cockroaches, Crickets, &c.  
Retail Prices (Protected) Wholesale Prices  
In cartons 9d. each .. 6/9 per doz.  
" 1/6 " .. 13/6 " "  
" 3/- " .. 27/- " "

Danzo Beetle Powder will not deteriorate by keeping.

CARRIAGE PAID ON ALL ORDERS.

To be obtained from

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THESE Remedies are used in most of the Training Stables, Stables of Masters of Hounds, and by many thousands of the best Private Horse Owners in the United Kingdom and Abroad.

Supplies through all Wholesale Houses.

**HARVEY & CO. (DUBLIN), Ltd., DUBLIN**

## THE MODERN CHEMIST

Fittings by

**D. MATTHEWS  
& SON, LTD.**

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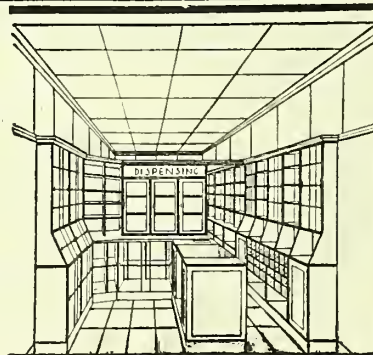
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Established 1848

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**I.B.C.  
STOCK LINES**

Do you wish to give your product that final touch that lends it individuality? I.B.C. stock designs fulfil just that requirement, the simple styling of each container providing tremendous scope for striking package design.

Consider the advantages offered by the use of low-priced distinctive stock bottles such as those illustrated; each is available in a variety of sizes to meet your needs, and deliveries can be effected immediately. In short, the quality and distinction associated with a special reserved design, at a price to suit you.

**BLAKE** in 2, 4, 6, 8 & 16 oz. sizes.  
**WOLFE** in 1, 2, 4 & 8 oz. sizes.  
**HAWKE** in  $\frac{1}{2}$ , 1, 2, 4, 9, 10, 20 & 40 oz. sizes.  
**HOOD** in 1, 2, 4 & 8 oz. sizes.  
**CORONATION** in 2, 4 & 8 oz. sizes.  
**VENETIAN** in 2, 4 & 8 oz. sizes.

Sprinkler or Wide-mouth;  
Bakelite or Beetle Caps.



**THE INTERNATIONAL BOTTLE CO LTD**

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PHONE METROPOLITAN 6161

GRAMS, AUTREFOIS TELEX LONDON



# THE MOST POPULAR\* SHAMPOO ON THE MARKET

\* Confirmed by Independent National Brands Investigation

**Don't let  
YOUR share of these  
sales go elsewhere**

Are you taking advantage of the tremendous weight of Eve Shampoo advertising? Are you making sure that it brings profits pouring into *your* till? Every week Eve Shampoo is advertised distinctively—powerfully—in nearly 30 national newspapers and women's magazines. Every week women are buying more and more Eve Shampoo. Are they buying it from *you*?

They will if you display Eve on your counter, tell them about its great advantages, let them know how good it is *for the whole family*. And here you can use the goodwill already existing in the minds of those who use Eve Powder to sell them the 6d Eve Cream, with the higher turnover it brings you. Try it—it works!

**Display and Recommend**

**Eve Shampoo**

**CREAM 6<sup>D</sup> A TUBE POWDER 2<sup>D</sup>**

THREE SHAMPOOS



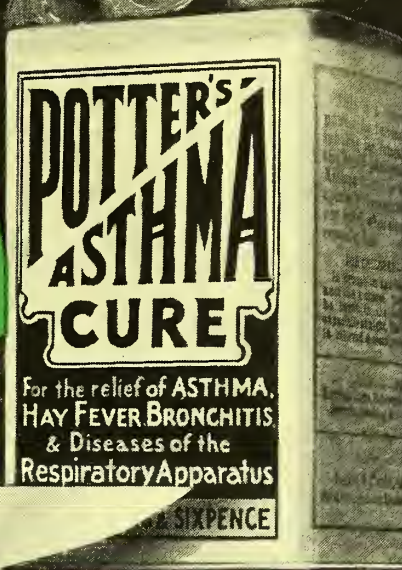
**Let "Mrs. Smith" know**

the CREAM form of Eve is extra-quick and easy to use. Her whole family will use it—and that means quicker repeat orders! Clinch your sale with the 5 special advantages possessed by both Eve Shampoos:

- 1 Eve Cleanses—gently, yet quickly and thoroughly. No soap in Eve, therefore no unhealthy lime-scum to dull the hair.
- 2 Eve Beautifies—leaves hair soft, lustrous, in perfect natural condition.
- 3 Eve is Safe—no harmful alkali. Mild, yet efficient, Eve cannot affect the structure of the most delicate hair. It is specially recommended for children.
- 4 Eve Benefits—both hair and scalp—frees the hair from dandruff, with its attendant troubles; enables scalp pores and glands to function normally.
- 5 Eve Aids Setting—it leaves no clogging deposits to make hair "difficult". More, because Eve cleanses away all scalp waste and dandruff it makes hair manageable.



AN ESTABLISHED LINE  
with  
EVER-INCREASING SALES



## POTTER'S ASTHMA CURE

CONSISTENTLY ADVERTISED IN ALL THE GREAT NATIONAL NEWSPAPERS . . . . . THUS ENSURING A GREAT DEMAND!  
RETAIL 1/6. WHOLESALE 14/- PER DOZ. Packed in Half-Dozs.

## POTTER'S CATARRH PASTILLES

INTENSIVE NATIONAL ADVERTISING  
AND UNVARYING HIGH QUALITY  
ENSURE A CONSTANT DEMAND  
P.A.T.A. 1/3. 11/- Doz. Packed in Half-Dozs.



**POTTER &  
CLARKE LTD.**

and at —  
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MANCHESTER 4

Phone, BLackfriars 8734 Grams, "Horsehound Man/r."

60-64 ARTILLERY LANE, LONDON, E.1

Phone, BISHopsgate 4761 (6 lines) Grams, "Horsehound, Phone, London"



# These Booklets

*stimulate your  
sales*

Ask

**FOR A  
FREE  
COPY**

*Hygiene  
for  
Women*

of this  
Booklet -

**"HYGIENE FOR WOMEN"**

Containing  
FACTS about

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*Ask us for a supply  
direct.*

**W. J. RENDELL LTD.**

HARDWICK HOUSE, 161-5, ROSEBERY AVENUE, LONDON, E.C. 1.



*Outstanding success*  
of  
**U.G.B. medicals**  
with the **NEW WHITE**  
moulded **KORKALITE**  
**SCREW CAP**



U.G.B. washed and sterilised medical bottles have everywhere proved a labour-saving and economical proposition. The unique U.G.B. process passes every single bottle, whether cork mouth or for screw caps, through boiling distilled water and dries in superheated filtered air

Again U.G.B. enterprise has won the universal approval of discriminating dispensers in the production of medical bottles with the *WHITE* moulded cap—WITHOUT EXTRA COST to the user.

*The Cork-Mouth and White Enamelled Aluminium Screw Cap Washed and Sterilised services are unchanged.*

**UNITED GLASS BOTTLE**  
MANUFACTURERS LTD

8 LEICESTER ST., LONDON, W.C.2

Telephone: Gerrard 8611 (10 lines).

Telegrams: "Unglaboman, Lesquare, London."

**THE LARGEST MANUFACTURERS OF GLASS BOTTLES IN EUROPE**



BEAUTIFUL  
*Glassware*

We create and manufacture high quality  
glassware for cosmetics and perfumery

WOOD BROS. GLASS CO. LTD.

ESTABLISHED 1828

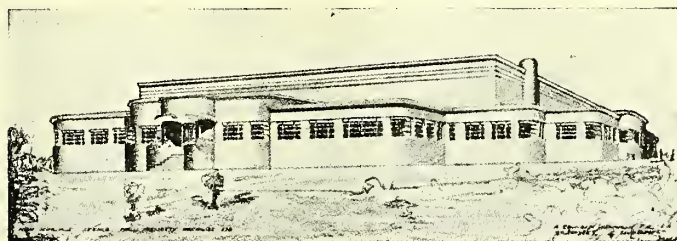
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MANUFACTURE AND PACKING  
OF  
**PROPRIETARIES**  
LIQUIDS, TABLETS, POWDERS  
in fact, anything.

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**T**HERE are many firms who want to put a preparation on the market but they do not just know how to do it or how to get it done.

Many nationally advertised proprietaries are manufactured by us, or in some cases were manufactured by us until the owners decided to manufacture themselves, when we were able to help them.

CAN WE HELP YOU?

Our long experience in manufacturing, designing and packing is at your service.

Please write to

**THOMPSON & CAPPER WHOLESALE LTD.**  
5 SPEKE HALL ROAD — LIVERPOOL, 19

STOCK—

# 'DAWN' RAVELPROOF FACE CLOTHS

—and increase your face cloth business

'Dawn' Ravelproof Face Cloths are made in three distinct qualities retailing at 4d., 6d and 9d. The Super 'Dawn'—a larger size—retails at 1/-. All produced in assorted colours, attractively packed in "Cellophane" and ready to hand over. A face cloth that is different and never gets slimy. Obtainable from your usual Wholesaler.

**JACQUESIL FABRICS LTD.**  
Red Bank Mills, RADCLIFFE, LANCs

London Agent: G. H. Bolton, Oxford Hse., Falcon Sq., Aldersgate St., E.C.1



## The World-famous 'BEAVERPUF'

is obtainable direct from the maker:—  
**FRANK MOUSLEY**  
Wilderness Works, Derby Road, S.W.14  
Phone: PROspect 4547 & 4828

... OR FROM ANY WHOLESALE

NEW ENLARGED EDITION

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Thoroughly revised and adapted to the B.P. '32 and B.P.C. '34  
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THE MOST POPULAR FACE POWDER IN THE WORLD  
Always heavily advertised. Easy to sell.  
All products guaranteed.  
TOKALON LTD., Chase Road, N.W.10

Good Profits  
Quick Sales

## MASON'S EXTRACT OF HERBS

Mason's Extract of Herbs  
9d. bottle, 7/3 per doz. (sub.)  
Mason's Dried Yeast  
2d. Capsule, packed in  
1/2 gross Display Box, 18/- per  
gross (subject)

An old favourite for 75 years and an entirely new line

### MASON'S DRIED YEAST

both used in the home brewing of Mason's Sparkling Herb Beer, the thirst-quenching, healthful drink recommended by Mrs. D. D. Cottingham Taylor. Write for trade terms

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No. 80 ... DRUG FITTING  
10 ft. Long, 7 ft. High, 10 ins. Deep  
Illustrated Price List on Request

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Packed in 1 gall., free tins  
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FOR THE

S.M.C., B.O.A. and N.A.O. DIPLOMA Examinations

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In Bottles,

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# THE ART OF DISPENSING

Re-written, completely revised, with fresh illustrations and new features—this is the most up-to-date book obtainable on the subject of dispensing and compounding. It is in fact an essential part of the equipment of every dispensary. Compiled by experts for the use of the Craft, it simplifies the many problems which frequently arise in the day's work at the dispensing counter.

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28 ESSEX STREET, STRAND, LONDON, W.C.2



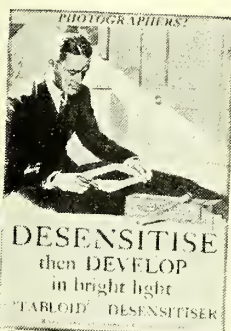
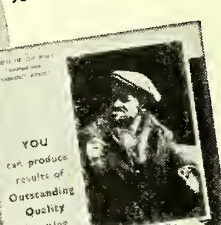


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## A direct reply to the increased cost of films

0920



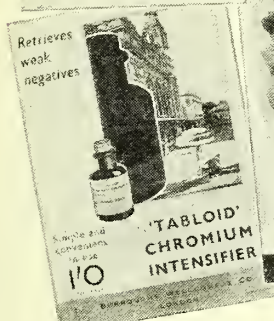
When ordering display material please quote the numbers identifying the units required.

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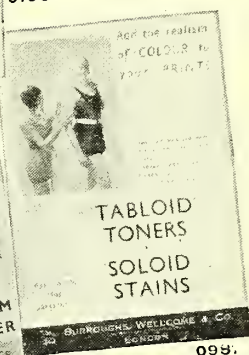
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0951

These bright, hardworking little silent-salesmen are ready to help counteract any depressing effects of the increased cost of films.

Explain to your customers that by doing the rest themselves with 'Tabloid' Chemicals they will save much more than the tax.

TRADE MARK

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'TABLOID' 'RYTOL' Developer, 'TABLOID' FINE-GRAIN Developer, 'TABLOID' 'TANCOL' Developer, 'TABLOID' METOL-QUINOL and other developers. 'TABLOID' CHROMIUM INTENSIFIER, 'TABLOID' DESENSITISER, 'TABLOID' TONERS, 'SOLOID' STAINS, etc.

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# The CHEMIST AND DRUGGIST

for RETAILER - WHOLESALE - MANUFACTURER

The official organ of The Pharmaceutical Society of Ireland, The Pharmaceutical Society of Northern Ireland,  
The Chemists' and Druggists' Society of Ireland, and of other Chemists' Societies in Overseas Dominions

Published Weekly at

28 ESSEX STREET, STRAND, LONDON, W.C.2

Telegrams: "Chemicus, Estrand, London"

Telephone: Central 6565 (10 lines)

## BRANCH OFFICES

MANCHESTER: 4 CANNON STREET (TEL.: BLACKFRIARS 3052)  
SHEFFIELD: 9 HAUGH LANE, ECCLESALL (TEL.: 70268)  
GLASGOW: 19 WATERLOO STREET (TEL.: CENTRAL 2329)  
BIRMINGHAM: 111 NEW STREET (TEL.: MIDLAND 2921)

AUSTRALIA: 19 QUEEN STREET, MELBOURNE, C.1  
NEW ZEALAND: 553 SHORTLAND STREET, AUCKLAND  
PARIS: 155 AVENUE DE WAGRAM, XVII<sup>e</sup> (TEL.: CARNOT 19.49)  
NEW YORK: 500 FIFTH AVENUE

## News of the Week

### Business Changes

F. H. PROSSER (RETAIL), LTD., chemists, have moved their offices from 59 Spring Hill, Birmingham 18, to 11A New Street, 2.

ROTO-SHAVER CORPORATION, LTD., have removed from 39 Clifton Street, London, E.C.2, to 324-326 Regent Street, W.1. Telephone: Langham 1726-7.

MR. SYDNEY MARSHALL, M.P.S., 78 Kingsland High Street, London, E.8, has taken over the business of Russ, Ltd., chemists, 16 Stoke Newington Church Street, London, N.16.

### Key Industry Duty Exemption Application

Application has been made to the Board of Trade, under Section 10 (5) of the Finance Act, 1926, for an Order to exempt METHYLAMINE from liability to key industry duty. Any communication should be addressed to the Principal Assistant Secretary, Industries and Manufactures Department, Board of Trade, Great George Street, London, S.W.1, before June 5, 1939.

### Proprietary Articles Trade Association

ADDITION TO PROTECTED LIST.—*Parke, Davis & Co.*, Dicalcium phosphate wafers, new size, 100's, 3s. 6d., 29s. 3d. doz.

ALTERATION.—*Pompeian beauty preparations* (selling agents, *Prichard & Constance (Mfg.), Ltd.*). Prices and terms for these preparations have been amended as follows:—6d. size, 4s. doz.; 1s. size 8s. doz.; 1s. 3d. size 10s. doz.; 1s. 6d. size 12s. doz.; 2s. size 16s. doz.; 2s. 6d. size 20s. doz.; 3s. 6d. size 28s. doz. Full details of articles are given on p. 227, P.A.T.A. Year Book, 1939. Retailers are allowed a discount of 10 per cent. on minimum 20s. parcels, which are sent carriage paid.

DELETION.—*Cambrian Holy Well Products*, Cambrian Holy Well salt.

### Cambridge

PROTEST TO FRIENDLY SOCIETIES.—At a recent meeting of the Cambridge and County Friendly Society's council a letter of protest was read from the Cambridge Branch of the National Pharmaceutical Union. The letter objected to a statement made by a member at an earlier meeting and reproduced in the Press, that better drugs were supplied by the Friendly Societies' Medical Institute than under National Health Insurance. A member said he thought the original statement intended to convey that the Medical Institute could supply drugs equal to those any chemist could supply. Another member declared the Institute could supply drugs which the ordinary panel patient could not obtain from a chemist. It was agreed that a letter be sent back stating that the Council dissociated itself with the statement, and that an opportunity would be given to the person who had made it to substantiate his words at the next committee or general meeting.

### Coventry

PHOTOGRAPHIC LECTURE.—Some seventy members of Coventry Branch of the National Pharmaceutical Union met on May 2 to listen to a lecture by Mr. A. W. W. Petherick (Kodak, Ltd.) on "Craftsmanship with Modern Roll Film," illustrated with lantern slides. Mr. C. N. Watts proposed a vote of thanks, which Mr. H. S. Linton seconded. Mr. W. A. Bales, who presided, announced further activities of the Branch during the summer months.

### Durham

FATHER AND SON IN OFFICE.—The annual meeting of the Durham County Branch of the Pharmaceutical Society was held in Durham on May 4. The accounts of the Branch showed a debit balance of sixpence, which was at once liquidated by a member present. A rare, if not unique, position arose when father and son, both pharmacists in practice, were elected president and vice-president of the Branch. The full list of officers elected was:—*President*, Mr. T. Melrose; *Vice-President* and *Treasurer*, Mr. T. Melrose, jun.; *Secretary*, Mr. R. S. Backhouse; *Committee*, Mrs. T. Melrose, jun., Messrs. R. S. Metcalfe, W. Low and J. B. Spedding with power to co-opt two or more members; *Auditors*, Messrs. W. G. Bell and J. S. Bainton. Messrs. W. Low and J. H. F. Banner were appointed delegates to the Birmingham Conference. Candidates for election to the Council of the Society were discussed and all members of the Branch were recommended to vote for and to give full support to Messrs. H. M. Hirst, J. F. McNeal and F. C. Wilson.

### London

LONDON CHEMISTS' GOLFING SOCIETY.—A meeting of the Society was held at Verulam Golf Club, St. Albans, on May 18, when a medal competition for the Burgoyne cup was held. The leading scores were:—Dr. W. Clark, 87-16=71; C. H. Maile, 81-9=72; E. C. Pryce, 85-8=77; R. W. Poole, 84-7=77; F. A. Bell, 88-10=78; R. J. Tweedy, 94-15=79; G. T. Morson, 97-18=79. In a bogey competition for the Kerfoot trophy the scores were:—C. H. Maile, all square; E. C. Pryce, 2 down; A. I. Ashton, 4 down; R. W. Poole, 5 down; G. T. Morson, 5 down; A. C. S. Hunter, 5 down; B. T. Tisdall, 5 down; D. Banks, 5 down; F. A. Bell, 5 down; R. J. Tweedy, 5 down.

PUBLIC PHARMACISTS.—At the annual and subsequent council meetings of the Guild of Public Pharmacists, held at 17 Bloomsbury square recently, the following were elected:—*Council*, the Misses E. B. Blundell and E. Hodgkinson, Messrs. H. Berry, H. Davis, J. R. Elliott, R. H. Henriksen, J. Moore,

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See p. 579



W. E. Phillipson (representing Manchester Branch), F. B. Royal, F. W. Sambidge (representing Birmingham Branch), C. H. Sykes, J. J. Tinney (representing Liverpool Branch), and J. H. Wood; *President*, Mr. F. B. Royal; *Vice-President*, Mr. J. Moore; *Treasurer*, Mr. C. H. Sykes; *Secretary*, Mr. A. E. Campion, 40 Wilson Street, Finsbury, London, E.C.2; *Registrar*, Mr. F. W. J. Hooper; *Editor of the "Public Pharmacist"*, Miss E. B. Blundell; *Assistant Secretary*, Mr. B. V. Jillings; *Insurance Registrar*, Mr. J. H. Wood; *Advertisement Editor*, Mr. W. C. Wood; *London Public Health Committee*, Messrs. J. R. Elliott, R. H. Henriksen, J. Moore and F. B. Royal; *London Social Committee*, Miss E. Hodgkinson, Messrs. J. Moore, F. B. Royal, C. H. Sykes and B. V. Jillings; *Publications and Education Committee*, Miss E. B. Blundell, Messrs. R. H. Henriksen, F. W. J. Hooper, J. Moore, F. B. Royal and C. H. Sykes.

### Manchester

**GOLF.**—The Manchester Chemists' Golfing Society's annual competition for the captain's prize, presented by Mr. A. Maude, took place at Sale Golf Club on May 17. Leading returns were:—S. M. Bostock, 79 (winner, captain's prize); A. Maude, 79 (winner, second prize); T. Miller, 81; R. H. Aitken, 82; C. Shenson, 84. The captain tied for his own prize, but yielded the honour to Mr. S. M. Bostock.

**ASSOCIATION AND BRANCH OFFICERS.**—At a Council meeting of the Manchester Pharmaceutical Association, held locally on May 4, Miss Ivy Roberts, M.Sc., Ph.C., was elected *President*. The following were also elected: *Vice-Presidents*, Messrs. G. V. Tyler and E. Berry, M.Sc., Ph.C.; *Treasurer*, Mr. W. I. Scholes; *Social Secretary*, Mr. J. H. Franklin; *Secretary*, Mr. T. Miller. The officers of the Manchester and Salford Branch of the Society, appointed at an executive meeting held recently, are: *Chairman*, Mr. J. H. Franklin; *Vice-Chairman*, Mr. Harry Brindle, B.Sc., F.I.C.; *Treasurer*, Mr. W. I. Scholes; *Secretary*, Mr. T. Miller.

### Mansfield

**BRANCH OFFICERS.**—At the annual meeting of the Mansfield Branch of the Pharmaceutical Society on May 1 the following officers were elected:—*Chairman*, Mr. W. O. Pegg, 13 Church Street, Mansfield; *Vice-Chairman*, Mr. J. S. Winson; *Secretary*, Mr. J. Spaanderman; *Assistant Secretary*, Mr. F. L. King; *Treasurer*, Mr. A. R. Jesson; all the above to form the *Committee*. Mr. J. Spaanderman and Mr. A. R. Jesson were appointed delegates to the British Pharmaceutical Conference.

**BENEVOLENT FUND DINNER AND DANCE.**—A dinner and dance held recently by the social committee of the Mansfield Branch of the Pharmaceutical Society at Newstead Abbey, near Mansfield, resulted in a profit of about £8, which is to be set aside for the Society's Benevolent Fund. Seventy-six were present. The guest of the evening was Mr. H. N. Linstead (secretary Pharmaceutical Society). Other guests included Mr. and Mrs. W. Lee, Nottingham; Mr. J. T. Appleton, Sheffield; and Councillor and Mrs. Baggaley, Mansfield. The following toasts were honoured:—"The Social Committee," proposed by Mr. E. C. Swire, M.P.S. (James Woolley, Sons & Co., Ltd.), and replied to by the chairman (Mrs. P. D. J. Spaanderman); "The Visitors," proposed by Miss L. B. Jesson and answered by Mr. H. N. Linstead; and "The Gentlemen," proposed by Mrs. V. L. King, Mr. Bryson Bell (chairman, Mansfield Rotary Club) replying. During the evening a cabaret show with Messrs. Spaanderman and Vallance as the fore and hind legs respectively of a bull, which proved much more ferocious than the matador and toreador (Messrs. Swire and King), created amusement and added £1 to the profits. Numerous competitions and a raffle for prizes variously donated supplemented the evening's entertainment.

### Margate

**LECTURE ON PHOTOGRAPHY.**—At Margate on May 2 a lecture was given to members of the Isle of Thanet Branch of the Pharmaceutical Society by Mr. Ternouth (technical staff, Kodak, Ltd.) on "Photography as Applied to Pharmacist Dealers." The Branch chairman (Mr. R. Clackett) presided. Mr. Ternouth mentioned that the year marked the one-hundredth anniversary of the birth of photography. He showed slides illustrating the cumbersome nature of the earlier cameras, traced the steps which resulted in the introduction by Eastman in 1890 of the first box camera and in 1894 of the first folding camera, and

outlined the gradual evolution of negative material from wet to dry plates and finally roll films, slides being shown that demonstrated the wide range of sensitivity of modern emulsions. The speaker demonstrated a number of miniature cameras and explained the uses of filters. The increasing popularity of colour photography was dealt with. Mr. Ternouth thanked Mr. Fleming for operating the projection apparatus and replied to a number of questions. A vote of thanks was proposed by Mr. Belham and seconded by Mr. Sturgeon.

### Northampton

**SIMULTANEOUS DISPLAYS.**—Prizewinners in a competition organised by the manufacturers in connexion with a simultaneous display of Brooklax held in Northampton town from May 1 to May 13, in which practically all chemists participated, were:—(1) (£2 2s.), Mr. W. H. S. Dunn, 2 Alexander Terrace, Kingsthorpe; (2) (£1 1s.), Mr. E. D. Moore, 75 Wellingborough Road; consolation prizes (10s. 6d. each), Messrs. J. Flinton Harris, 60 St. Giles Street, and C. W. Wolfe, 227 Wellingborough Road. In a similar competition in Northampton county during the same period the prizewinners were:—(1) (£2 2s.), Mr. P. R. Duncan, 7 Station Road, Irthlingborough; (2) (£1 1s.), P. Jeyes & Co., Ltd., 60 Gold Street, Kettering; consolation prizes (10s. 6d. each), Messrs. J. F. Harris, 46 Main Road, Duston, and the Peterborough Co-operative Society, Ltd., Westgate, Peterborough.

### Portsmouth

**BRANCH OUTING.**—A party of Portsmouth chemists and their wives visited the works of Allen & Hanburys, Ltd., on May 17. At Waterloo Station, London, the party was joined by several members of the Southampton Chemists' Association. Messrs. Allen & Hanburys conveyed the party to Ware by coach, and they were welcomed by Mr. Neilson. While light refreshments were being enjoyed Mr. Crawford gave a short talk on the processes employed by the firm for humanis-



PORTSMOUTH PHARMACISTS' EXCURSION.—Group photographed on train; among those shown are Mr. H. A. Mecoy (president of the Association) and Mrs. Mecoy, Mr. T. A. Johnson (vice-president) and Mrs. Johnson.

ing cows' milk, after which the party, in small batches, each in charge of a member of the staff, were conducted over the works. The various processes used in the manufacture of foods, rusks, capsules, and pastilles were explained. During the tour Mr. Cripps displayed a large model of the old Plough Court pharmacy, giving some interesting details regarding its history. After tea, which was served in the sports pavilion, Mr. H. A. Mecoy (president of the Portsmouth Association) proposed a vote of thanks to the firm. Mr. Riddle (president of the Southampton Association) supported the vote, and Mr. Neilson, in reply, gave details of the firm's activities. The party concluded its outing with a visit to the Palladium.

### Miscellaneous

**ILLEGAL POSSESSION OF OPIUM.**—At South Shields Police Court, on May 14, Tching Tsin, a Chinese shiphand, was fined £1 for bringing into the United Kingdom two ounces 110 grains of raw opium.



**FIRST MEETING OF NEW BRANCH.**—The first meeting of the Doncaster Branch of the Pharmaceutical Society (see *C. & D.*, May 6, p. 487) was held at the Angel and Royal Hotel, Doncaster, on May 17, when Mr. L. F. Addey, Rossington, was elected *Chairman*.

**INSTITUTE OF PHYSICS.**—At the annual meeting of the Institute of Physics on May 17, the following were elected to take office on October 1: *President*, Prof. W. L. Bragg; *Vice-President*, Prof. A. Ferguson; *Treasurer*, Major C. E. S. Phillips; *Secretary*, Prof. J. A. Crowther; *New Members of Board*, Dr. H. Lowery and Mr. R. S. Whipple; Mr. J. H. Awbery (appointed by the Physical Society).

**OXFORD BRANCH ANNUAL MEETING.**—The annual meeting of the Oxford Branch of the Pharmaceutical Society was held on May 3. The annual report and balance sheet was read and adopted, and Mr. L. D. Gale was co-opted to the committee. The vice-president of the Pharmaceutical Society (Mr. W. Deacon) then gave a lantern lecture entitled "From Bloomsbury to Brunswick." Mr. Gale proposed a vote of thanks.

**LECTURE ON HORMONES.**—A meeting of the Wembley Branch of the Pharmaceutical Society on May 16 was addressed by Dr. J. Stanley White on "Hormones." The address was illustrated by lantern slides. Numerous questions were afterwards asked of the lecturer. Among the visitors was Mr. G. R. Knox Mawer (a member of the Society's Council). A vote of thanks to the speaker was proposed by Mr. E. Ratcliffe and seconded by Mr. A. E. Miles.

**ASSOCIATION OF BRITISH INSECTICIDE MANUFACTURERS.**—At the annual meeting of the Association of British Insecticide Manufacturers on May 10, the following officers and committee were elected: *Chairman*, Mr. L. F. Braga; *Treasurer*, Mr. H. J. Jones; *Auditor*, Mr. R. A. Blair; *Executive Committee*, Messrs. R. A. Blair, W. V. Blewett, E. Z. Bolt, R. V. Craven, J. S. Mitchell and Dr. J. H. Reid; *Secretary*, Mr. J. Davidson Pratt, 166 Piccadilly, London, W.1.

**REIGATE ANNUAL MEETING.**—The annual meeting of the Reigate and Redhill Pharmacists' Association was held on May 4, when the following officers were appointed:—*President*, Mr. F. Barlow; *Vice-President*, Mr. H. Hocken; *Treasurer*, Mr. S. Hawkins; *Secretary*, Mr. F. G. Lewis. The following resolution was passed and the secretary was instructed to forward it to the Pharmaceutical Society:—"That the annual meeting of the Pharmaceutical Society should be held alternately on Wednesdays and Thursdays and that the business should not commence before 2 p.m."

**INQUEST.**—A verdict of death by misadventure was recorded at an adjourned inquest at Bournemouth on May 18 on a child aged two years and three months who died as a result of eating a piece of Meta fuel purchased by his father for killing slugs. The deputy coroner remarked "As this fuel is so widely used, and is frequently left within the reach of children, it is scarcely possible to give too much publicity to its dangerous character." A medical witness observed that the tablets were really attractive looking "sweets," although they had not a nice taste, and he suggested that it would be better if they could be black, so as to be less likely to appeal to a child. There might, however, be some technical difficulty. A great many substances came under the Poisons Act, but this fuel, which was just as dangerous as many of the articles on the list, could be sold in any shop and they were not bound to take any precautions whatsoever. There was a notice on the packet which said: "Don't let Meta get into the hands of small children. Even small parts of a bar, when eaten, are dangerous to health. Acts as a poison if eaten. To be used as a fuel only."

## Welsh Notes

### Aberdare

**SECOND GOLF MEETING.**—At the second open summer golf meeting of the Aberdare and Merthyr Branch of the Pharmaceutical Society, held at the Aberdare Golf Club, Abernant, on May 11, there were fifty entries for the various competitions. The awards included the North Glamorganshire silver challenge cup, presented by Evans Sons Lescher & Webb, Ltd., and three vouchers presented by Grierson, Oldham & Co., Ltd., D. Tudor Williams & Son, and A. de St. Dalmas & Co., Ltd. In

addition to the golf competitions, there was a putting contest organised by Messrs. I. E. Thomas, J. E. Jones, and H. T. Rake, in which many visitors took part. Catering arrangements were in the hands of the ladies, under the direction of Mrs. D. Ll. Evans and Miss G. Humphreys. Mr. Ceredig Jones (president of the Aberdare Club) welcomed the visitors in a short address, and Mr. H. Parry, Nelson (chairman of the Branch), presided at the evening function, at which prizes were presented to the following prizewinners: North Glamorganshire silver challenge cup: (1), Mr. T. J. Morgan, Pontardawe, 76-7=69; (2), Mr. G. M. Thomas, Pontardawe, 88-17=71. Women's voucher: Mrs. D. Ll. Evans, Aberdare, 108-19=89. Special prize: Miss Gwyneth Humphreys, Aberdare, 93-18=75. Voucher competition: (1), Mr. E. Humphreys, Aberdare, 79-10=69; (2), Mr. Alan Clarke, Aberdare, 81-12=69 (decided on first nine holes). Nine-hole foursomes: Dr. D. T. Jenkins and Mr. T. J. Morgan (net 39). Putting competition: *Gentlemen*, (1) Mr. J. Rawley, Birmingham; (2) Mr. Barton, Sutton Coldfield; *Ladies*, Mrs. F. A. Davies, Cardiff; (2) Mrs. Loyley, Cardiff. The challenge cup was presented by Mrs. Parry (wife of the president) and the other prizes by Mrs. A. A. Jones, Mountain Ash, and the president (Mr. H. Parry). Mr. I. E. Thomas, J.P., Aberaman, proposed a vote of thanks to all who had helped to make the day a success.

## Scottish Notes

### Aberdeen

**PRESENTATION OF PRIZES.**—Mr. G. L. S. Spence (president, Aberdeen Pharmaceutical Association), presided over a large gathering at the annual presentation of prizes to evening class students of the School of Pharmacy in Robert Gordon's College, Aberdeen, on May 16. Presenting the prizes, Mr. A. Keith said that the students were in the first stages of preparation for a degree which was not yet a University degree, but it was possible that they would have a local University degree in their profession—an object for which Dr. J. F. Tocher had been striving for so long. Dr. Tocher then referred to the advantages enjoyed by present-day students, and said that in former days he had been perturbed over the difficulties young men had in facing the examination because there was no curriculum. There was some sort of syllabus they were supposed to work to. He considered the profession was one of the hardest worked in the country. Mr. Ernest Fraser, one of the students, thanked the Association for donating prizes, which were awarded as follows:—Petrie Trust bursary, E. G. Mutch; evening-class prizes, first year, 1, L. W. Henderson; 2, J. R. W. Barron; 3, N. A. Pantoun; second year, 1 (equal), M. Harper, R. Presslie and A. Burnett; 4, W. A. Sutherland; third year, 1, E. Fraser; 2, G. M. Mitchell; 3, W. J. Edward.

### Miscellaneous

**GOLF.**—The annual tournament open to all retail and wholesale chemists in Scotland was held over the Gleneagles (King's) course on May 17. There was a large attendance from all districts and 113 took part in the competition under ideal playing conditions. Prizes were presented to the winners by Mr. W. Spence Culbert, Airdrie. On behalf of the players, Mr. J. P. Ferrier, Dundee, expressed thanks to the donors of the prizes. The prizewinners are as follows: Travellers' trophy, (1) G. Adam, jun., Glasgow; (2) J. Thomson, Ayr. Scratch prize (Duncan, Flockhart & Co.), (1) J. Stevenson, Prestwick; (2) A. Henderson, Dundee. Gibbs trophy, district No. 2, (1) W. M. Stebbing, Grangeopans; (2) J. Stevenson; (3) J. Thomson; (4) F. Adamson, Falkirk; District No. 1, (1) G. Adam, jun.; (2) T. W. Macmaster, Glasgow; (3) D. Barclay, Glasgow; (4) D. Hogg, Glasgow. (Trophy won by district No. 2.) Pears' awards, (1) replica and trophy, W. M. Stebbing; (2) prize, J. McMillan, Glasgow. Ucal prize, (1) H. Stout, Edinburgh; (2) J. Finlay, Edinburgh; (3) D. W. Foster, Dunblane. J. & J.'s trophy, (1) trophy and prize, J. H. Miles, Dublin; (2) extra prize, A. K. Henderson, Kirkcudbright. John Greig prize (bogey), (1) A. Robertson, Hamilton; (2) T. W. Macmaster. Maclean prize, out, (1) W. B. Forbes, Perth; (2) J. A. Whyte, Arbroath; in, (1) F. Adamson; (2) J. S. Cameron, Crieff. Blyton Astley prize, (1) A. Henry, Glasgow; (2) D. R. Fraser, Dundee; (3) D. Scott, Glasgow. Hidden holes, (1) A. N. Fleming, Maybole; (2) H. Kerr, Glasgow. Wholesalers' prize, (1) J. Low, Glasgow; (2) M. Strang, Glasgow.



## Irish Notes

### Irish Drug Association

Mr. P. A. Brady (president) was in the chair at a committee meeting of the Irish Drug Association on May 15. It was reported that a number of manufacturers who had not hitherto confined the distribution of their lines to chemists had agreed to do so. The Committee decided to issue a revised list of approved manufacturers, and all members of the Association were urged to support in every way possible the manufacturers on this list. A discussion on drug prices took place, and it was agreed that many such prices were out of proportion to existing market prices. It was agreed to issue a number of alterations.

### Ulster Chemists' Association

The monthly meeting of the executive committee of the Ulster Chemists' Association was held on May 18. The president (Mr. E. A. Richey) occupied the chair, and Messrs. C. Abernethy, J. Adams, T. A. Gibson, R. A. McEwen, J. McGregor, A. E. Johnston, John McDowell, Jas. McDowell, R. Linehan, P. R. W. Shinner, and W. C. Tate were also present. Major Hamill (Air-Raid Precautions Officer), wrote expressing regret at the delays in organising classes for chemists who had volunteered their services, and suggesting that a meeting should be called at which he would give an address and arrange for a short course of instruction. After discussion, during which the dilatory methods of the A.R.P. Department were severely criticised, Mr. Shinner proposed and Mr. Dundee seconded that the secretary should write to the A.R.P. Officer pointing out that at the beginning it had been definitely arranged that all meetings of those who had volunteered their

services should be arranged by the A.R.P. Department, and this had been confirmed at a meeting between Messrs. Shinner, Dundee, Cousley, and Major Hamill on April 13. Therefore the original arrangement should be adhered to and the A.R.P. Department should call the meeting. It was suggested that either May 18 or May 25 would be suitable, the venue to be 40 Academy Street, at 9 p.m. The secretary of the Chemists' Benevolent Fund, Northern Ireland, wrote forwarding a copy of the rules, which had now been finally approved. He pointed out that under the rules the president of the U.C.A. was an *ex-officio* member of the committee, and that two other members of the Association could be nominated as committee members. Mr. J. Adams and Mr. A. Steede were duly nominated. Certain price changes were adopted and accounts passed for payment.

### Miscellaneous

**MUNICIPAL ELECTION RESULTS.**—Pharmaceutical chemists fared well in the Northern Ireland municipal elections. In Portadown, Mr. Alfred L. Martin, Ph.C., again headed the poll. In Coleraine the outgoing mayor (Mr. R. F. McCartney, Ph.C.) was again elected.

**PHARMACY ACT CASES.**—At Rathfarnham District Court on May 19, Tomkins & Grubb, Ltd., chemists, Rathfarnham, were fined 1s. for keeping open shop for the retailing, dispensing and compounding of medical prescriptions on March 22 without having a qualified person in charge. Allen Henry Tomkins was convicted of having sold medicines supplied according to medical prescriptions contrary to Section 30 of the Pharmacy Act (Ireland), 1875, he not being legally qualified, but was given the benefit of the Probation Act on payment of costs.

# Topical Reflections

By Xrayser

### Organising Proprietary Displays

The discussion on the Chemists' Friends scheme by the Sheffield Branch of the National Pharmaceutical Union (C. & D., May 20, p. 551) was thoroughly practical, and has, I trust, been read by everyone concerned. I like the balanced aggressiveness and caution of the policy enunciated by the chief speaker, Mr. E. A. Brocklehurst, who seems to have thought out the functions of all taking part in the movement, from manufacturer to apprentice. In particular, Mr. Brocklehurst's suggestions on organising proprietary window displays need to be developed systematically in action. Many retailers may not have realised the impracticability of a nation-wide display of any one article during the same week. This being now made clear, it remains for local secretaries to arrange their seasons for definite periods in advance on the lines mentioned. I may add one point that does not appear in the report of the meeting, though it may have arisen. In this motoring age it is easy for people with the requisite leisure to shop one week in, for instance, Manchester, and the next in Sheffield: chemists in thoroughfares visited by this type of shopper will find it useful to note the effect of simultaneous displays on them when it can be ascertained.

### A Ninety-Eighth Annual Meeting

The fact that THE CHEMIST AND DRUGGIST keeps abreast of all the news in pharmacy that matters seems to me to take the edge off the annual meeting of the Pharmaceutical Society unless the president, in his opening review of the year, springs a surprise on the world in the form of some unexpected disclosure. Mr. Guthrie, to whose long and faithful service in the cause of pharmacy fitting tributes were paid on May 17, is not the man to risk any unforeseen statement unless there is ample need for it; and accordingly the meeting reported on pp. 547-50 of your last week's issue is for the most part "the mixture as before." There is more to be found in the discussion when members who have the interests of pharmacy at heart set aside the time necessary for attending this meeting and making their voices heard. So it proved this year. In Mr. C. J. Yeates, Mr. Edgar Jones and Mr. W. Heap these conditions were fulfilled: I read their speeches with much pleasure, not agreeing with all that they said, but glad to find them taking an active part in this gathering, possibly at

some personal inconvenience. Where the supply of medicinal substances to unqualified traders is traced, the problem should be tackled, preferably with the aid of the National Pharmaceutical Union Executive. On the analogy of the procedure in supplying excisable beverages in restaurants where no licence is held, shopkeepers in remote districts might be asked to oblige their customers by obtaining occasional supplies of medicines without making a profit; and even that intermediary agency seems unnecessary in view of the facilities for sending parcels by rural bus services. Turning to another subject, "propaganda for pharmacy should be increased," no doubt; but how and by whom?

### This Election Result

To have dragged 10,605 "valid" voters to the poll (in their own shops or houses) for the Society's Council election is a slightly better record than of late in these contests. It has been exceeded, however. I understand that the number of voting papers issued was, actually, 23,422; the percentage of effective votes is thus about 45.3. I have gone back for comparison to the well-remembered election of 1920, when twenty-two candidates stood; 9,582 voting papers were then issued, and 6,138 were effective, a percentage of 64.0. In the following year, when only nine candidates came forward, 9,732 voting papers were issued, and 3,975 were effective, a percentage of 40.8. With the backing of the Midlands, Mr. Shaw has, as I expected, done remarkably well on his first venture in electioneering. Birmingham has in post-war years sent more than one member to the Council at the first time of asking; and this year, in view of the forthcoming Conference meeting in that city, there is a fitness in Mr. Shaw's success apart from the excellent qualities we hope to find in him as a councillor. Mr. Wilson, the other new arrival, also merits our congratulations; he has already shown, in your columns, the makings of a valuable addition to the collective strength of the Council. I notice that a resolution to delete the asterisks standing beside the names of retiring councillors on the voting papers was defeated at the annual meeting of the Society. The majority of voters, I suppose, are in no way influenced by the presence or absence of these ornaments; for my part, I am quite willing to see each of the said names decorated with three or even thirty stars if it pleases anyone.



## People in the News

MR. F. B. ROYAL, who has been re-elected president of the Guild of Public Pharmacists for the third time (p. 566), has been associated with the Guild for fifteen years and a member of its council for the last nine of them. He was educated at King Edward VI Middle and High Schools, Norwich, and served his apprenticeship with Mr. W. J. Lacey (Gardiner & Lacey), Norwich. He studied at the College of the Pharmaceutical Society, qualifying in 1920, following which he spent four years under Dr. Hampshire as an assistant pharmacist at University College Hospital. Since 1924 he has been chief pharmacist at St. Mary, Islington, Hospital, Highgate Hill. He was secretary of the Guild of Public Pharmacists from 1932 to 1936 and its vice-president in 1936. Mr. Royal represents the Guild on the national emergency committee, is a member of the joint committee of the Society's Council and the Guild, and of the action and uses committee of the British Pharmaceutical Codex.

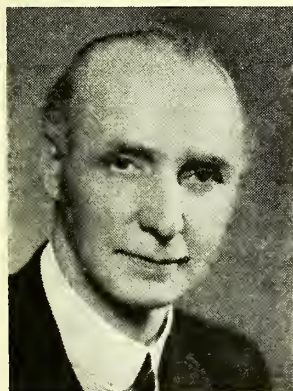


MR. F. B. ROYAL

MR. G. H. LLOYD, the Pharmacy, Solva, Haverfordwest, Pembrokeshire, recently elected chairman of the Cardigan, Carmarthen and Pembrokeshire Branch of the Pharmaceutical Society (*C. & D.*, May 6, p. 489) was born in Solva and educated in the local council school and the Old College School, Carmarthen. He served his apprenticeship in Carmarthen with the late Mr. G. Phillips, Hall Street, whence he proceeded to London to qualify from the Metropolitan College of Pharmacy, London. He qualified in 1899 and for some years managed the chemistry business of the late Mr. D. Jones, Clynderwen. He opened a pharmacy in Solva thirty-five years ago. Mr. Lloyd has been president of the Pembrokeshire Pharmacists' Association and of the Pembrokeshire Branch of the National Pharmaceutical Union. He is treasurer of the local Congregational Church, Solva Regatta, and local memorial hall, and a member of the Cambrian Lodge of Freemasons.

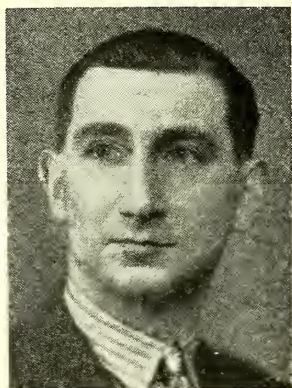


MR. G. H. LLOYD



MR. T. B. ROBINSON

MR. THOMAS B. ROBINSON, M.P.S., who was recently elected chairman of the Wembley Branch of the Pharmaceutical Society, served his apprenticeship in Macduff, Banffshire, and qualified in Edinburgh in 1911. He gained experience in London suburbs and in the West End as hospital dispenser, assistant and manager, before setting up on his own in Kingsbury, London, N.W.9, in 1931. Mr. Robinson is one of the founder members of the Wembley Pharmacists' Association and Branch and is also a member of the Pharmaceutical Committee for the County of Middlesex.



MR. H. STEINMAN

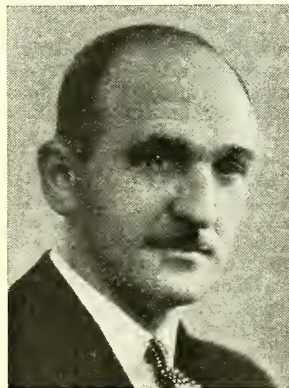
MR. H. STEINMAN, F.B.O.A., this year's chairman of the Manchester Branch of the National Pharmaceutical Union (see *C. & D.*, May 13, p. 512), is in business at Cheetham Hill Road, Manchester. He served a four-year apprenticeship with Colmans, Ltd., Manchester, and qualified from Manchester College of Pharmacy in 1927. After experience with Keats, Ltd., Manchester (of which he became a director), he acquired the business of the late Mr. Alfred Hershberg at his present address in 1934. He has been chairman of the Photographic Dealers' Association Branch and of the local Pharmaceutical Association (Junior Section). He is at present a member of the executive of these bodies and of the local Branch of the Pharmaceutical Society and pharmaceutical service subcommittee. On several occasions he has been a branch delegate to the British Pharmaceutical Conference and attended meetings as N.P.U. Branch delegate.

MISS MARY CATER ISLIP, this year's chairman of the Harrow Branch of the Pharmaceutical Society (see *C. & D.*, May 13, p. 512), qualified in 1929. Miss Islip was apprenticed with Mr. H. Richman, Hampstead, and received her pharmaceutical training at the Society's College. She was for three years at Queen's Hospital for Children, London, E., and since 1933 has been chief pharmacist at the Paddington Green Children's Hospital. She also acts as employment secretary to the National Association of Women Pharmacists. Miss Islip's father, also a pharmacist, is with Warrick Bros., Ltd.



MISS MARY CATER ISLIP

MR. JOHN R. STEWART, who has been elected president of the Wimbledon Pharmacists' Association, has been a member of the committee since the Association was re-formed in 1936, and took an active part in forming the County of Surrey Pharmacists' Association, on the executive committee of which he has served since its formation. He served his apprenticeship with the late Mr. James Spence, Elgin, qualifying in 1930.



MR. J. R. STEWART

MISS IVY ROBERTS, M.Sc., Ph.C., newly elected president of the Manchester Pharmaceutical Association, is the first lady to hold this office. She studied at Manchester University, qualified in 1916 and took her degree in the same year. She also won the Pereira Medal. After commercial experience, Miss Roberts returned to the University, where she is now lecturer in pharmaceutics. She has contributed a number of papers to the British Pharmaceutical Conference.



## Legal Reports

**Food and Drugs Act Prosecutions.**—A case brought under the Food and Drugs Act against Robert Harding Williams, M.P.S., Anlaby Road, Hull, was dismissed on payment of costs at Hull Police Court on May 18. Tablets sold to the Corporation inspector had been found deficient in one ingredient (caffeine). Defendant said he obtained the tablets from a wholesale firm with which he had been dealing for some time. There was a warranty printed on each bottle of tablets, and he accepted that the tablets were what they purported to be. A director of the manufacturing chemists who had supplied the tablets said his firm accepted full responsibility.—At Sittingbourne on May 16, Britacies, Ltd., Southend, were fined £5 for selling a bottle of "double strength" lung mixture, stated to be 100 per cent. deficient in tinct. camph. co. Evidence was given that the mixture purported to be a copy of a well-known patent medicine but sold at a much cheaper rate. The label stated that the mixture contained 33 per cent. tinct. camph. co., whereas in fact it contained none. For the defence, it was contended that the mixture advertised in the catalogue as lung mixture was not the same as lung syrup, the preparation in respect of which action was being taken. The Bench, however, pointed out that the words "Prescription 31" were applied to both preparations.

**Pharmacy Act Cases.**—At Hyde Police Court, on May 11, Fred Swindells, M.P.S., 71 Newton Street, Hyde, was fined £1 for selling by retail on March 30 a poison (codeine), the sale not being by or under the supervision of a registered pharmacist. Evidence was given that defendant's brother, a qualified chemist, died leaving the defendant as sole executor. It was brought to defendant's notice on five different occasions that under the provisions of the Pharmacy and Poisons Act, 1933, he must put a registered pharmacist in charge, but his contention was that he was in charge of his own business at 71 Newton Street and could supervise the Market Street business without the aid of another qualified man.—At Leeds Police Court, on May 10, Swains Pharmacy, Ltd., 62 Beckett Street, Leeds, were summoned by the Pharmaceutical Society on charges of selling strychnine, not being authorised sellers of poisons, and of effecting a sale of strychnine in a preparation (syrup of hypophosphites) dispensed otherwise than under the supervision of a registered pharmacist. Defence contended that the offences were technical, defendants being deemed not authorised sellers because of omission to notify the name of the qualified superintendent of the business. The preparation had been made up by the head of the firm, a qualified chemist, but sold in his absence by an unqualified assistant. The charges were dismissed on payment of costs.

**Price-Cutting Restrained.**—In the Chancery Division of the High Court, London, on May 5, Mr. Justice Morton had before him a motion for an interlocutory injunction in an action brought by Northam Warren, Ltd., suing on behalf of itself and all other members of the manufacturers' section of the Proprietary Articles Trade Association against Harry Donner, 24 The High, High Street, Streatham, London, S.W. The parties agreed to treat the motion as the trial of the action and the defendant consented to the following Order: "This Court doth order that the defendant his servants and agents be restrained so long as the defendant carries on business as a retailer from directly or indirectly selling or supplying any goods (manufactured by any manufacturer who was on the 6th March 1939 and for the time being still is a member of the Proprietary Articles Trade Association) which are referred to in the Protected List issued by the said Association and for the time being current otherwise than at or above the minimum retail prices fixed by such manufacturer for such goods in breach of an agreement dated 6th March 1939 and made between Henry Esmond Chapman on behalf of the members of the said Association of the one part and the defendant of the other part." There was also ordered an inquiry what damages (if any) have been sustained by the plaintiff by reason of breaches of the terms of the said agreement dated March 6, 1939, by the defendant his servants or agents. And that the defendant pay to the plaintiff costs of the action down to and including this Order, such costs to be taxed by the taxing master, the costs of the said inquiry are reserved and the parties are to be at liberty to apply, but the

said inquiry is not to be prosecuted until after July 5 and if before that time the defendant shall have paid to the plaintiff the sum of ten pounds by way of ascertained damages then the inquiry is not to be prosecuted.

**A Contract for Bottles.**—A contract for bottles, which it was alleged were not up to what had been described, formed the subject of an action in the Bow County Court, in which Deputy Judge Forbes gave a considered judgment on May 24. The plaintiffs in the action were Kale Brothers, wholesale chemists' sundriesmen, Coborn Road, Bow, and they sued the Saxton Glynne Bottle Co., Ltd., Fountain Works, Huddersfield Road, Liversedge, Yorks, for the return of £63 4s. 2d. The defendants are bottle manufacturers, and in February 1939 the plaintiffs ordered various bottles at an agreed price of £63 4s. 2d. These were drug and poison bottles. They were returned as they were not as ordered, as they did not comply with the terms of the contract, as they were not the correct size, being smaller, nor the quality; that was to say that instead of being white flint glass they were made of a poor mixture of flint glasses and other materials. Plaintiffs claimed they were entitled to return. A defence to the claim had been filed, in which it was stated that the bottles were sold in two lots. First, 100 gross of 8 oz., sold as a job lot at a special price by sample and not by description; 25½ gross of assorted sold by sample as to quality of the glass, but by description as to size. They were sold under the general conditions of sale: "We do not accept any responsibility for the correctness of measurements and weights of individual bottles, nor for slight variation of colour." They contended that the first lot complied in every respect as to size and quality, and the second lot were of better quality glass than the sample, and there were only slight variations in size, beyond which it was not possible to work in the hand-made bottle trade, and were covered by the defendants' conditions of sale. The case was heard at great length, and judgment was reserved. In giving his considered judgment, Judge Forbes said the claim was for two parcels of glass bottles which were rejected as not being in accordance with the contract of sale. On January 30 the plaintiffs requested a price list for drug and poison bottles, and it was sent together with an 8-oz. bottle to show quality. On February 19 defendants offered 100 gross 8-oz. bottles at 10s. 6d., and the plaintiffs replied offering 10s. less 2½ per cent. This was accepted, and then there were others offered which came to £12 9s. 2d. These were all paid for before delivery. With regard to the first contract, he found that none of them were of the full capacity of 8 oz., as they varied between 7½ oz. and 7¾ oz., and the majority were 7½ oz. With regard to the second contract, he found that the 20 oz. were 18 oz. to 19 oz., the 16 oz. from 14 oz. to 15 oz., the 10 oz. and 6 oz. were of full capacity, the 4 oz. were 3¾ oz., the 3 oz. were slightly out, and the 2 oz. were 1¾ oz. Plaintiffs rejected all the bottles and returned them, but they were refused. He held that the sale of the 8-oz. bottles was a sale by description, and that it was implied that they would be of a liquid capacity of 8 oz., but it was agreed that they were less than 8 oz. The plaintiffs did not examine for capacity, and he found that they acted reasonably. The bottles in the second contract were sold, and it was implied that they were what they represented to be. He accepted the plaintiffs' evidence as given. The plaintiffs were entitled to reject all the bottles unless they were debarred. Defendants had printed on their notepaper the following clause: "We do not accept any responsibility for the correctness of measurements and weights of individual bottles, nor for slight deviations of colour." He inferred that the defendants considered it advisable to put this clause upon their notepaper showing that they themselves considered that a buyer would be entitled to insist that the capacity of the bottles should accurately correspond to the description. He found that the clause was brought to the notice of the plaintiffs and that for what it was worth it was part of the agreement; but it did not absolve the defendants from their responsibility. He therefore held that the plaintiffs were entitled to reject the bottles and the defendants to repay the price they had received for them. He gave judgment for the plaintiffs for £63 4s. 2d. and costs. On the application of counsel, a stay of execution with a view to appeal was granted for twenty-one days.



# Company News

P.C. means Private Company and R.O. Registered Office

**TENAL, LTD. (P.C.).**—Capital £100. Objects: To carry on the business of chemists and druggists, manufacturers of and dealers in toilet requisites, etc. Robert C. Heggie, 82 Southwood Road, New Eltham, S.E.9, director.

**ASTREM, LTD. (P.C.).**—Capital £100. Objects: To carry on the business of chemists, druggists, etc. The first directors are to be appointed. Solicitors: Rubinstein Nash & Co., 5-6 Raymond Buildings, Gray's Inn, W.C.1.

**TRIMMING WILLIS & Co., LTD. (P.C.).**—Capital £100. Objects: To carry on the business of chemists, druggists, dispensers, etc. Miss Winifred Willis, 52 Ackender Road, Alton, Hants, director. R.O.: 49 High Street, Alton, Hants.

**HULLS (CHEMISTS), LTD. (P.C.).**—Capital £100. Objects: To carry on the business of pharmaceutical and general chemists, herbalists, etc. Ronald Hull, 36 High Street, Ruislip, director. R.O.: 36 High Street, Ruislip, Middlesex.

**SUPER POLISH, LTD. (P.C.).**—Capital £1,000. Objects: To carry on the business of polish and paint manufacturers, chemists, druggists, etc. The first directors are to be appointed. Solicitors: Sebag Cohen & Co., 45-46 West Sunniside, Sunderland.

**MEDICAL ACOUSTIC INSTRUMENTS, LTD. (P.C.).**—Capital £100. Objects: To carry on the business of manufacturers of and dealers in aids to hearing for deaf or partly deaf persons, etc. Abbey Manufacturing Estate, Mount Pleasant, Alpertown, Wembley, Middlesex.

**O. PICKERILL, LTD. (P.C.).**—Capital £500. Objects: To enter into an agreement with Oris Pickerill of 42 Seddon Street, Longsight, Manchester, for the purchase of the business of a chemist and druggist at that address. R.O.: 42 Seddon Street, Longsight, Manchester.

**RICHARDS LABORATORIES, LTD. (P.C.).**—Capital £1,000. Objects: To carry on the business of manufacturers and wholesale and retail dealers in cosmetics, perfumes, chemicals and toilet preparations, etc. The first directors are not named. R.O.: 11 Old Bond Street, W.1.

**CHEERS & HOPLEY, LTD. (P.C.).**—Capital £7,500. Objects: To acquire the business of a manufacturing chemist and druggist now carried on by John H. Hopley at Northgate Street, Chester, as "Cheers & Hopley." John H. Hopley, 15 Curzon Park, Chester, director.

**TRIKO, LTD. (P.C.).**—Capital £2,000. Objects: To carry on the business of manufacturers of and wholesale and retail dealers in cleaning and scouring powders, chemicals, etc. James T. Ripley, 1 Thurlow Road, Hampstead, N.W.3, director. R.O.: 23 Mount Pleasant, W.C.1.

**GLENTHAM ESSENCE CO., LTD. (P.C.).**—Capital £100. Objects: To carry on business as manufacturers and distillers of and dealers in essences, fruit juices, oils, chemicals, etc. Jas. H. Grove, 133 Oxford Street, W.1, director. R.O.: 39-41 Swan House, Oxford Street, W.1.

**WALKDEN SOAP & CHEMICAL CO., LTD. (P.C.).**—Capital £2,500. Objects: To carry on the business of manufacturers of and dealers in soap and washing materials, greases, perfumes, chemicals and toilet requisites, etc. Samuel O. Flint, Corrie, Queen's Drive, Heaton Mersey, director.

**T. N. MOFFITT, LTD. (P.C.).**—Registered in Belfast.—Capital £1,000. Objects: To acquire the business formerly carried on as T. N. Moffitt at 291-3 Crumlin Road, Belfast, and to carry on the business of pharmaceutical chemists, etc. Dermot T. A. Moffitt, Dunelm, Marino, director.

**E. EARNSHAW & Co., LTD. (P.C.).**—Capital £1,000. Objects: To carry on the business of manufacturers of and wholesale and retail dealers in chemicals, disinfectants, medicines, fertilisers, etc. Ernest Earnshaw, 33 Jackroyd Lane, Newsome, Huddersfield, director. R.O.: Station Road, Bradley, Huddersfield.

**INTERNATIONAL COSMETIC INDUSTRIES, LTD. (P.C.).**—Capital £500. Objects: To carry on business as manufacturers of and wholesale and retail dealers in beauty preparations, cosmetics, etc. Jabez F. Goodey, 20 Woodgrange Avenue, Bush Hill Park, Enfield, secretary. The first directors are to be appointed.

**TEIFY VETERINARY PRODUCTS, LTD. (P.C.).**—Capital £1,000. Objects: To acquire the business of wholesale dealers in cattle medicines, sheep dips and veterinary chemists, carried on at Velindre, Carmarthen, and elsewhere in South Wales as "Teify Veterinary Products." Thomas A. Jones, Spring Gardens, Velindre, Carmarthenshire, director.

**F. D. COPELAND & SONS, LTD. (P.C.).**—Capital £100. Objects: To carry on the business of distillers and dealers in essential oils, perfumes, essences and preparations of all kinds, chemists, druggists, herbalists, etc. Walter T. Meigh, 16 Cleveland Gardens, Cricklewood, N.W.2, director. R.O.: Norfolk House, Norfolk Street, Strand, W.C.2.

**MARINE PAINTS & COMPOSITIONS, LTD. (P.C.).**—Capital £10,000. Objects: To carry on the business of manufacturers of and dealers in paints and analogous compositions, varnishes, washable distempers, water and oil colours, enamels, chemicals, etc. The first directors are to be appointed. Solicitors: Clyde & Co., 15-18 Lime Street, E.C.3.

**SHANCAM RUBBER CO., LTD. (P.C.).**—Capital £1,000. Objects: To carry on the business of manufacturers of and wholesale and retail dealers in surgical, hygienic and medical goods, rubber goods, etc. Hugh Cameron, 129 Cranston Road, Forest Hill, S.E.23, and Joseph Shane, 127 Chatsworth Road, N.W.2, directors. R.O.: 8 Warwick Court, Gray's Inn, Holborn, W.C.1.

**TIMOTHY WHITES & TAYLORS, LTD.**—The company offers for subscription £500,000 5 per cent. debenture stock at the price of 99 per cent. The offer is confined to debenture stockholders and shareholders of the company. Applications will be accepted up to June 2, 1939.

**GRIFFITHS HUGHES PROPRIETARIES, LTD.**—Final dividend on the ordinary shares of 2½ per cent., making 5 per cent. for the financial year ended March 31, 1939. For previous accounting period of nine months a total of 6½ per cent. was paid. Profits of the operating company for past year were £112,550, against £162,196.

**J. C. & J. FIELD, LTD.**—Report for the year ended March 31, 1939, shows net profit, after taxation, N.D.C., contingencies and other expenses, of £38,841 (against £35,069). Final dividend of 10 per cent. on ordinary, making 15 per cent., less tax (same); to reserve fund £6,000 (£7,500); to write down goodwill £5,000 (nil); forward £11,417 (£11,076).

**MAY, ROBERTS (IRELAND), LTD.**—A dividend of 15 per cent. was declared on the ordinary shares at the annual general meeting, at which Mr. Ashley Tucker, chairman of the company presided. The net profit for the year amounted to £22,035, compared with £22,222 in the previous year. Mr. F. J. Smith was re-elected as a director of the company.

**BRITISH ALKALOIDS, LTD.**—Report for the year ended March 31, 1939, states that, despite the unsettled conditions prevailing in the greater part of the year, sales in the home market and in the Dominions expanded. Net profit rose from £55,410 to £62,132. The directors have written down advertising expenditure by £22,000 (against £18,000), and have transferred to general reserve £4,500 (£2,500), and to taxation reserve £11,200 (£11,900). Increased dividends are again being paid—namely, 26.71 per cent. (against 25.19 per cent.) for the year, on the participating preference shares, and 45 per cent. (42 per cent.) on the ordinary shares. The balance forward is £4,395, subject to directors' additional remuneration (against £1,193 brought in).

## Voluntary Liquidation

**Criggstone Pharmacy, Ltd.,** High Street, Criggstone near Wakefield. The statutory meeting of creditors was held recently at Huddersfield, when a balance sheet was submitted showing liabilities totalling £1,147 8s. 9d. The assets totalled £455 17s. 1d. It was decided that the voluntary liquidation of the company should be confirmed, with Mr. R. Kendall, accountant, Leeds, as liquidator, with a committee.



# Pharmaceutical Society of Northern Ireland

## Council Meeting

THE monthly meeting of the Council of the Pharmaceutical Society of Northern Ireland was held at 73 University Street, Belfast, on May 19. The president (Mr. Walter C. Tate) was in the chair, and the other members present were Professor E. B. C. Mayrs, M.D., Professor James Small, D.Sc., Messrs. James Glendinning, S. H. Forrest, J. E. Connor, J.P., J. McDowell, C. Abernethy, J. McGregor, J. W. Gray, J.P., and J. T. Nicholl. The secretary (Mr. D. L. Kirkpatrick) was in attendance.

### BENEVOLENT FUND

A report was received from the Law Committee recommending that Messrs. McGregor and Nicholl should be appointed the Council's representatives on the committee of the Chemists' Benevolent Fund of Northern Ireland.

THE PRESIDENT said that, as directed by the Council, the Law Committee had examined the rules of the Benevolent Fund carefully, and had found nothing in them to cavil at.

PROFESSOR SMALL pointed out that the Law Committee said nothing in their report about having approved the rules. As it stood the minute was non-committal and he suggested that the Committee's approval should be specifically stated in the minute, in order to prevent any confusion in future.

This having been done, the Law Committee's report was adopted on the motion of MR. GRAY, seconded by MR. ABERNETHY.

### MEMBER CO-OPTED

MR. GLENDINNING moved the appointment of Mr. James Donaghy, Ballymoney, as pharmaceutical representative on the Council to fill the vacancy caused by the death of Mr. S. S. Badger, J.P., Magherafelt. He expressed the opinion that the infusion of some younger blood into the Council would have a stimulating effect on their deliberations. Mr. James Donaghy had qualified in June 1927, and was a young man who had the interests of their profession very much at heart. There was no doubt that he would be an acquisition to the Council.

MR. NICHOLL, seconding, agreed that it was a good idea to introduce young blood, and thought it would be a gesture to the younger members of the profession that would be highly appreciated. The proposal was unanimously adopted.

### EXAMINATIONS

The secretary reported abnormal entries for the Society's

examinations to be held in June. There were fifty candidates for Part I and sixty-three for the final. The written examinations were to take place on June 5 and 6 and the practical on June 12, 13 and 14.

Messrs. C. Abernethy, H. F. Moore, J. McGregor, J. T. Nicholl and J. McDowell were appointed to attend the examinations as follows:—June 5—Mr. Abernethy; June 6—Mr. Moore; June 12—Mr. McGregor; June 13—Mr. Nicholl and Mr. McDowell; June 14—Mr. Nicholl.

### OUTING TO GIANT'S CAUSEWAY

The secretary reported on the arrangements regarding the June meeting and outing of the Council at the Giant's Causeway on June 15, and said the visiting examiners had accepted the invitation to accompany the party. The Derry Chemists' Association had also accepted the Council's invitation, and a large party was expected. The outward journey from Belfast would be via the Coast Road and the homeward road via Portrush. Following their usual custom, the Council would hold their business meeting on arriving at their hotel, and the afternoon and evening would be devoted to sight-seeing.

MR. GLENDINNING thanked the Council for their kindness in inviting their Derry brethren—a gesture which was highly appreciated in the Maiden City.

THE PRESIDENT said it was only a privilege to be able to make some little return to their friends in Derry for the kindnesses the Council had received from them in the past.

Mr. Glendinning and the secretary were appointed to arrange for the transport of the Derry party.

### OTHER MATTERS

It was intimated that the president, Mr. Martin, Mr. Abernethy and the secretary would represent the Society at the British Pharmaceutical Conference in Birmingham in July.

On the motion of MR. MCGREGOR, the usual expenses for delegates were approved.

MR. J. Hewton, Ava Pharmacy, 305 Ormeau Road, Belfast, wrote enclosing a copy of "Legislation Pharmaceutique," a pamphlet published by the French pharmaceutical organisation, with the suggestion that it should be placed in the Society's library.

The suggestion was adopted, and Mr. Hewton was thanked for his kindness.

## Recent Research

### Malt Extract with Cod-Liver Oil

VARIOUS methods for the determination of oil in extract of malt with cod-liver oil have been considered with a view to accurate determination both of the oil and the vitamin A content; those most suitable have been critically compared. According to Garratt (paper read before the Society of Public Analysts, May 3), full recovery of both oil and vitamin A can be obtained by the Rose-Gottlieb method of extraction of oil provided precautions were taken against oxidation. Little loss of vitamin A occurs in extract of malt with cod-liver oil for some months under normal conditions of storage.

### Cryptone and Cryptol

MACBETH and WINZOR ("Journal of the Chemical Society," 1939, 264) have prepared *d*-cryptol in a state of stereochemical purity, and *d*-cryptone in a higher state of purity than hitherto obtained. *D*-cryptone was extracted and purified in the usual manner from a water-fennel oil, and which had specific gravity 0.881 at 20°, refractive index 1.4788 and specific rotation +21.4°. This ketone was reduced to *d*-cryptol by means of aluminium and isopropyl alcohol. *D*-cryptol thus obtained had a specific rotation +66°. It was converted into its nitrobenzoate and this was repeatedly recrystallised from methyl alcohol until the specific rotation was raised to +146.4°, and no further recrystallisation raised it above this figure. It was therefore stereochemically pure. *D*-cryptone as extracted from water-fennel oil has a specific rotation +52.16°, but it appears

to be easily racemised. A specimen obtained by the oxidation of *d*-cryptol of stereochemical purity (+146.4°) was found to have a specific rotation +102°, but it is not claimed that this is stereochemically pure.

### Vitamin C Content of Vegetables

CONTRARY to the general belief that citrus fruits and tomatoes are the richest sources of the antiscorbutic vitamin, Wheeler Tressler and King (in a paper read before the American Chemical Society, April 5) found that freshly picked parsley, broccoli, kale and cauliflower contain two to three times as much of this food factor as citrus fruits. Little loss of vitamin C occurs when fresh broccoli and cauliflower are stored for two weeks under refrigeration. On the other hand, broccoli, stored for four days at ordinary room temperature, lost half of its antiscorbutic vitamin content. In the case of cauliflower, the loss in four days at room temperature was slightly less. Kale lost much vitamin C in two weeks even when the product was held under refrigeration. Freshly picked kohlrabi, New Zealand spinach, parsnips and cantaloups contain approximately the same percentage of the antiscorbutic vitamin as does orange juice. Lettuce and endive are not as good sources of vitamin C as the vegetable mentioned above, and on the average have approximately half the vitamin C content of tomatoes. However, some varieties of lettuce, notably black-seeded Simpson and Romaine, contain approximately the same percentage of the antiscorbutic vitamin as does the tomato.



# Medicine Stamp Duties Memoranda

As previously announced (*C. & D.*, May 20, p. 550), the main organisations in pharmacy held a joint meeting on May 17 to consider what action should be taken in regard to the Chancellor's decision to repeal the medicine stamp duties. As an outcome of this meeting a memorandum has been issued jointly by the Pharmaceutical Society of Great Britain, the National Pharmaceutical Union, and the Scottish Pharmaceutical Federation for circulation to Members of Parliament.

## Text of Joint Statement

Clause 7 of the Finance Bill provides that as from September 2, 1939, the Medicine Stamp Duties are to be repealed. These duties have been imposed under a number of Statutes dating back to 1783, and the revenue from them at the peak period in 1928/29 was £1,330,000. It fell to £750,000 in 1938. The remarkable decline in the duty was brought about by the discovery by manufacturers of proprietary medicines that by slight changes in labelling and declaration of the formulas of their medicines they could avoid payment of the duty. The tax consists of (1) an Excise duty amounting to 5s. a year paid by a person selling a proprietary medicine, and (2) a graded tax on the value of the proprietary medicines sold, e.g. 1s. article, *plus* 3d. duty; over 1s. and not exceeding 2s. 6d., *plus* 6d. duty; over 2s. 6d. and not exceeding 4s., *plus* 1s. duty. The tax is payable in respect of medicines that are "secret" or "proprietary" or are recommended to prevent or cure human ailments. It is also payable if the medicines in question are sold by chemists in the same circumstances, but if the manufacturer declares his formula on the label and disclaims proprietary right, the article may be sold by chemists free of duty.

## SELECT COMMITTEES

There have been two Select Committees on proprietary medicines during the present century—one in 1914, which was mainly concerned with the effect on the public health of the sale of proprietary medicines, and another in 1937, which was mainly concerned with the revenue aspect of the matter and recommended a scale of duties from which there should be no exemptions at all. Qualified chemists are strongly opposed to the complete abolition of the duties, as now proposed, firstly, because it will deprive them of the privilege of which they are entitled as a result of their special knowledge, training and qualifications; secondly, because they feel that the effect of the abolition will operate against the interests of public health and, thirdly, because the repeal constitutes a wholly unnecessary sacrifice of valuable revenue at a time when revenue is urgent.

## OMISSION OF CLAUSE 7

It is understood that an amendment is to be moved omitting the repeal of the Medicine Stamp Duties from the Finance Bill. We urge you to support the amendment for the following reasons:—

- 1.—We believe that the Chancellor and his advisers cannot have appreciated the far-reaching results of the abolition of the duty. We are not aware that the Ministry of Health has been consulted on the public health aspects of the repeal.
- 2.—The repeal of the Acts will deprive the Treasury of an actual revenue of £750,000. The remarkable decline in the amount of stamp duty collected was brought about by the discovery by manufacturers of proprietary medicines that by slight changes in labelling and declaration of the formulas of their medicines they could evade payment of the duty.
- 3.—There is no indication that the tax remitted will be passed on to the public in reduced prices by the manufacturer.
- 4.—There will be a return to "secret" remedies with no indication of the contents of packages. There is no accompanying legislation which protects the public from the evils of the "secret" remedy trade, which was described by the Select Committee on Patent Medicines which sat in 1914 as "a grave and widespread evil" causing injury to the public health.
- 5.—There will be an intensive advertising campaign to take advantage of the new channels of distribution. It is contrary to public health to encourage the widespread taking of medicine by every device of modern advertising. The country will be flooded with medicines sold in any and every shop by persons with no knowledge of their contents, uses or dangers.
- 6.—It is the considered opinion of the organisations representing

the chemists in business in Great Britain that chemists will be seriously affected financially if the Medicine Stamp Duties are repealed.

We invite your active support to this amendment. If the duty is maintained, proper consideration can be given to the effects of the repeal, and in the meantime the Treasury will have the advantage of the continuance of the duty.

## Tees-Side Takes Action

On behalf of the Tees-Side Branch of the Pharmaceutical Society, its secretary (Mr. R. MacDonald Murray) has forwarded to the local Member of Parliament a letter setting forth the attitude of the Branch to the abolition of medicine-stamp duties. Copies of the letter have been forwarded to the Prime Minister and Chancellor of the Exchequer. The letter is reproduced in full below:—

Dear Sir,—On behalf of all the pharmacists in your constituency I wish to bring to your notice the following:—

1.—We are greatly perturbed at the Chancellor of the Exchequer's proposal to abolish entirely the Medicine Stamp Duties.

2.—We regard the repeal of these Acts as a measure which quite definitely opens up dangers to the public health.

3.—That it is not in the public interest that the protection should be overlooked which the pharmacist's qualification assures the public in connexion with the distribution of medicines.

4.—That a vital principle having a bearing on this, and embodied in all previous Medicine Stamp Acts, should not be disregarded.

5.—That the passing of this proposed legislation would eliminate that line of demarcation which distinguishes the trained and educated vendor of medicines from traders who cannot possibly claim to have any knowledge of the drugs which they sell.

6.—That, as a result of repealing the present Acts, we shall encourage the distribution of secret medicines, the composition of which cannot be vouched for by any qualified person or body responsible to the State.

7.—That, if this proposal is adopted, there will be no incentive for the pharmacist to qualify as such; and in the poorer districts especially many chemists will be put out of business because they, as professionally trained persons and having quite definite statutory responsibilities, cannot compete with totally unqualified traders in the distribution of medicines. This is an economic fact which I do not think it necessary to enlarge on.

8.—That a repeal of tax would mean that, in the advertising of medicines, there would be no control with regard to extravagant claims for worthless medicines.

9.—That "the market place" will tend to become the medicine cupboard of the poor, rather than the chemist shop as at present. The present tax prohibits the sale of proprietary medicines in market places.

10.—The proposal, if adopted, would permit hawkers, hucksters, or any person, however illiterate, making what claims they like in connexion with any medicines sold by them. At present this is illegal.

11.—In all professions, where the public themselves cannot rightly judge the service given, the legislature has provided safeguards. The present proposal would reject this wise provision, and thus would permit persons irresponsible to any authority to batten and fatten on the less educated in our community and the poor.

12.—The proposal overlooks the fact that every civilised country has adopted means for ensuring the supply of drugs by professionally educated pharmacists. This universal action has been called for by universal necessity, and Britain should be no exception to the rule.

13.—The proposal overlooks the fact that educated bodies are almost demanding a further restriction in the selling of medicines, and not extended facilities for distribution. Indeed, during the past eighteen months the second largest Municipal Corporation in the country forwarded a resolution to the Home Secretary that all premises where medicines are sold should be registered.

14.—The proposal in no way attempts to eliminate the fraudulent part of medicine trade, and make it a cleaner business in the interests of the public and in the interests of legitimate traders; indeed, it must have a reverse result.

15.—The proposal would definitely intensify unethical competition in the sale of medicines, and quite overlooks the fact that on the pharmacist depends an efficient pharmaceutical service. He has in the past only been able satisfactorily to give this very necessary service because of the small special advantage given him in the distribution of "admitted and approved remedies," which concession this proposal would now withdraw.

16.—Well constituted governments in all countries have always made the profession of a pharmacist an honourable and advantageous one; but this measure would damage the economic existence of the chemist in the community and frustrate the efforts of the governing body in pharmacy, the Pharmaceutical Society; and in this connexion it is worthy of note that two years ago the national importance of its work was clearly recognised by His Majesty the King in becoming its Patron.



I am enclosing herewith an explanation to remind you of the circumstances which led to the Chancellor taking some action with regard to the Medicine Stamps Act; but we cannot agree with the suggested method of dealing with the problem. In our opinion, it is not in the public interest that free trade should be permitted in the sale of all medicines. We maintain that where the health of the public is at stake, and where the public cannot protect itself in this direction, the wisdom of previous governments in legislating against free trade without restriction cannot, and should not, be so lightly disregarded.

The pharmacists in this area are quite definitely against the Chancellor's proposals. Further, they have requisitioned me to ask you if

you will be good enough to meet a deputation to discuss the matter any time at your convenience after the 22nd instant. Indeed, so concerned are we about the matter that we are even prepared, should it be necessary, to meet you in London.

I remain, Sir,

Yours respectfully,

R. MACDONALD MURRAY.

Accompanying this letter is a reminder, in nine points, of the circumstances which led the Government to review the existing Medicines Stamp Acts, prior to the Chancellor's recent action in announcing removal of the duties.

## British Pharmaceutical Conference

In an invitation to pharmacists to visit the seventy-sixth meeting of the British Pharmaceutical Conference, Birmingham, July 17 to 21, the local committee, after drawing attention to the amenities of the city as a Conference centre, gives the information set out below. The arrangements are now well advanced and applications for tickets are being freely received. As hotel accommodation is limited, visitors are requested to make early application; later applicants for rooms, though they will be comfortably placed, will be farther away from the Conference headquarters. Recently the Conference officers and their ladies travelled over the full-day excursion route to the Cotswolds, in order to confirm the arrangements made. On another occasion they visited Stratford-on-Avon in connexion with the informal dinner and theatre-party arrangements. Badges, menus, and other printed matter have all been selected and put in hand. An invitation will be issued to members of the Birmingham Pharmaceutical Association to attend a garden party at the Botanical Gardens, Edgbaston. Admission will be by ticket only, and further details will be circulated to members in due course.

**MEETINGS.**—Opening and closing sessions, science sessions and branch representatives' meetings will be held in the University, Bristol Road, Edgbaston, to which omnibuses will run at appropriate times from the principal hotels.

**TICKETS.**—Tickets will be issued in books for the full Conference or as day tickets for the events of any one day. The prices are:—Book (Monday to Friday inclusive), £2 12s. 6d. (or, if applied for before June 19, £2 10s.). Day (if accommodation is available), £1 1s. Cheques should be made payable to the Birmingham Conference Committee and should be sent with applications to the local secretary, 1088 Stratford Road, Birmingham, 28.

**INQUIRY BUREAU.**—A list of visitors to the Conference is to be posted in the Conference Inquiry Bureau, Grand Hotel, Colmore Row, and will also be included in Conference literature. The Bureau will be open from 9 a.m. on July 17, and visitors should call there for books of tickets, etc., as soon as possible after arrival.

**RAILWAY FARES.**—Monthly return tickets are available for visitors from places in Great Britain, no vouchers being necessary. By arrangement with the Railway Clearing House, visitors from Ireland may travel at single fare and one-third. The necessary voucher for this arrangement will be sent with the acknowledgment of application for Conference tickets.

**EXCURSIONS.**—Lady visitors are requested to state, when making application for tickets, which excursions they wish to join. All Conference visitors are asked to state whether they intend to take part in the visit to Stratford-on-Avon and in the Friday excursion.

**SPORTS ARRANGEMENTS.**—Competitions for the Edmund White golf trophy and the London challenge cup for bowls are to be arranged. The golf competition will be played at the Blackwell Golf Course, near Bromsgrove (no green fees), and the bowls competition at the green of Cadbury Brothers, Ltd., Bournville. If sufficient entries are received on or before July 10 (the closing date for all competitions), arrangements will also be made for a ladies' golfing competition and an open bowls competition. Prizes for all events will be distributed at the Friday evening session, when it is hoped all winners will be present.

**HOTELS.**—The following is a list of hotels and their charges. Visitors are requested to make their own hotel arrangements, except at the University Hostel. The latter is in close proximity to the University and is recommended by the committee; visitors wishing to stay there are asked to communicate with the housing secretary of the Conference (Mr. A. E. Southerton, Kynance, Henley-in-Arden, Birmingham).

Hotel	Bed and breakfast	Number rooms
*Queens, Stephenson Street ... S.	s. d. 12 6	190
*Midland, New Street ... D.	17 6	
*Imperial, Temple Street ...	12 6	200
Cobden, Corporation Street ...	10 0	88
Arden, New Street ...	7 6	125
*New Victoria, Corporation Street ...	8 6-10 6	100
*Stork, Corporation Street ...	10 6	60
*Woolpack, Moor Street ...	10 0	46
†Queen's House, Moseley Road... 8 6	9 6	26
University House (hostel), Edgbaston	8 6	27
Park Road ...	7 6	83
Norfolk, 265 Hagley Road ...	8 6	26
†Hagley Grove, 50 Hagley Road ...	8 6	48
†Lyndens, 111 Hagley Road ...	8 6	22
†Clydesdale, 11 Arthur Road, Edgbaston	8 6	15
St. Johns, 7, 9 and 11 Duchess Road, Edgbaston ...	7 0	47
Windor House, 49 and 50 Calthorpe Road, Edgbaston ...	7 6	20
†Eton House, 279 Hagley Road, Edgbaston ...	8 6	12
†Heathfield, 115 Anderton Park Road, Moseley ...	6 6	50
†Southfield, 1 Priory Road, Edgbaston	5 6	18

\* Licensed.

† Garage accommodation.

**GARAGES.**—The following are the charges at public garages in Birmingham:—

Birmingham Garages, Ltd., Navigation Street—cars up to 10-h.p., 10s. for period; large cars, 15s. for period.  
R. S. Pearce, Ltd., 60 Great Charles Street ... 10s. per week  
Easton Lloyds, Easy Row ... 2s. per night  
Wells & Mayner, Ltd., Ladywell Walk, Hurst Street ... 7s. 6d. for period

## Parliamentary News

### STAMP DUTY REPEAL

The Minister of Health was asked on May 23 whether he was satisfied that the proposal in the Finance Bill to repeal the tax on proprietary medicines was in the interests of the health of the nation; and what steps he proposed to take in order to exercise control of the sale of secret remedies, as, if the repeal were effected, there would be no incentive or necessity for makers to disclose the formulas of such remedies, nor any restriction, other than that imposed by the Poisons and Pharmacy Act, upon recommendation and sale by all and sundry?

Mr. Bernays: As regards the first part of the question my right hon. Friend does not think that the repeal of the Medicine Stamp Duty should have any adverse effect on the health of the nation. As regards the second part, the question whether any further control should be imposed on the sale or advertisement of proprietary medicines is engaging my right hon. Friend's attention, but he cannot undertake to introduce legislation in the matter at the present time.



# Hair Dyes and Creams

**A**LTHOUGH the dyeing of hair is best left to a professional hairdresser there is, nevertheless, a considerable sale of hair dyes to the public. Sulphur and lead lotion still has a remarkable sale in spite of the many modern developments in hair treatment. This lotion is materially improved as a darkening solution by the addition of a wetting agent, and also of about 5 per cent. of sodium thiosulphate. Henna is another favourite hair dye, and although it has been shown that satisfactory henna dyeing was only possible in an acid medium, soap and borax are still used with henna shampoos.

## Dyes

An idea has been put forward in America that urea derivatives used from 1-25 per cent. in a hair dye promoted the dyeing and produced a more permanent colour.

Typical formulas were suggested as follows:—

### For blonde hair

Urethane	..	..	..	..	10.0
Cupranil brown C.I. 560	..	..	..	..	1.0
Water	..	..	..	..	89 parts

### For black hair

Direct brown C.I. 606	..	..	..	..	5.0
Direct green C.I. 583	..	..	..	..	1.0
Phenyl carbamate	..	..	..	..	10.0
Dimethylcellulose	..	..	..	..	2.0
Water	..	..	..	..	60.0
Alcohol	..	..	..	..	22.0

Bismuth salts have not proved as satisfactory as was hoped and can be regarded as simply darkening agents similar to lead acetate, depending upon the deposition of a sulphide. The following is an example:—

### Solution No. 1

Bismuth citrate	..	..	..	..	2 dr.
Alcohol	..	..	..	..	3 dr.
Aq. dest.	..	..	..	..	3 oz.

### Solution No. 2

Sodium thiosulphate	..	..	..	..	3½ dr.
Distilled water	..	..	..	..	to 3 oz.

A favourite dye is one made with pyrogallic acid and cupric chloride. The formula is as follows:—

Pyrogallic acid	..	..	..	..	4½ oz.
Copper chloride	..	..	..	..	4½ oz.
Hydrochloric acid	..	..	..	..	½ oz.
Distilled water	..	..	..	..	to 64 oz.

The dye paraphenylene-diamine hydrochloride is suitable for application by experts, but should only be used after a patch test has given non-allergic results. The use of a manganese dye yields a good brown colour, and the following is a suitable formula:—

Manganese acetate	..	..	..	..	2½ dr.
Pyrogallol	..	..	..	..	2½ dr.
Acetic acid (99 per cent.)	..	..	..	..	3m
Distilled water	..	..	..	..	to 3 oz.

## Creams

The modifications in hair cream formulas is to a great extent due to the introduction of modern emulsifying agents. Unfortunately many of these are issued under proprietary names which give only a vague idea of their composition. The emulsifiers are chiefly mixtures of higher fatty alcohols or related compounds. Hair creams are for the most part fixatives and the desired formula for a cream should be largely determined by the characteristics of the hair to which it is to be applied. The lime water and vegetable oil type of cream still has its followers, but the mineral oil variety is rapidly gaining popularity. A simple form of mineral oil cream can easily be made, using the following formula:—

Liquid paraffin	..	..	..	..	50.0
Oleic acid	..	..	..	..	0.5
Lime water	..	..	..	..	to 100.0

Another cream containing much more mineral oil and possessing good fixative properties:—

Liquid paraffin	..	..	..	..	130.0
White wax	..	..	..	..	10.0
Borax	..	..	..	..	1.0
Distilled water	..	..	..	..	15.0

Much progress has been made in this form of cream by the use of the variety of higher fatty alcohols and wetting agents available. The following one possesses advantages over the last formula for mineral oil cream:—

Mineral oil	..	..	..	..	2 oz.
Lanette wax Sx	..	..	..	..	½ dr.
Sodium lauryl sulphate	..	..	..	..	gr. x
Water	..	..	..	..	6 dr.

A suitable vegetable oil may be used instead of a mineral oil.

Another formula which should be considered more as a dressing than a fixative is the following. It produces a fine cream more suitable for a collapsible tube than even a wide mouth bottle, and will wash off more easily if it contains 0.5 sodium lauryl sulphate.

Lanette wax Sx	..	..	..	..	3.0
Mineral oil	..	..	..	..	30.0
Water	..	..	..	..	67.0

Should a liquid dressing be desirable then a modification of the above is necessary:—

Mineral oil	..	..	..	..	2 oz.
Lanette wax Sx	..	..	..	..	½ dr.
Sodium lauryl sulphate	..	..	..	..	gr. x
Distilled water	..	..	..	..	to 10 oz.

Medicaments have been omitted from the formulas, but there is nothing to prevent their use in the preparations if required.

# Trade-Mark Applications

(From "The Trade Marks Journal," May 17, 1939)

## SCHEDULE IV

- "HYMENIA"; for perfumery, etc. (3). By The House of Hyman, Ltd., 48 West Street, Brighton, 1. B600,990.
- "MERBART"; for all goods (3). By Merbart Products, Ltd., 131 Victoria Street, London, S.W.1. 605,616.
- "SACHELLE"; for toilet powder (3). By Electric Keep-You-Fit Appliances, Ltd., 145 Queen Victoria Street, London, E.C.4. 605,755. (Associated.)
- "VARADY"; for cosmetics (3). By Edmund Withall, 6 Holborn Viaduct, London, E.C.1. 605,844.
- "PARKOLA"; for all goods (5). By Parkinsons, Ltd., Curzon Street Drug Mill, Curzon Street, Burnley. 601,845. (Associated.)
- "SLUMBERVALE"; for medicated blanket sheets (5). By John Noble, Ltd., 17 Brook Street, Manchester 1. 602,562.
- "NIFOCAN"; for medicated sedatives; "SOLITON," "AMATIN"; for pharmaceutical preparations (5). By H. R. Napp, Ltd., 3 Clement's Inn, London, W.C.2. 603,753/605,249/378.
- "ERETON"; "LAFORAN"; for all goods (5). By Bayer Products, Ltd., 31 Basinghall Street, London, E.C.2. 604,219/605,109. (Associated.)
- "PETERBOROUGH CATHEDRAL" and sketch of cathedral; for medicinal and pharmaceutical preparations (5). By Sturton & Sons, Ltd., 78 Bridge Street, Peterborough. 604,465.
- "SURUS"; for medicated tablets for dysmenorrhœa (5). By Pad Factories, Ltd., Idris Yard, London, N.W.1. 605,139.
- "COLOTEX"; for synthetic rubber compound for treatment of the feet (5). By C. J. Plucknett & Co., Ltd., 38 Poland Street, London, W.1. 605,263.
- "SERSAN"; for medicinal and pharmaceutical preparations, etc. (5). By Nu-Breath, Ltd., Regent House, Fitzroy Square, London, W.1. 605,495.
- "HORNOPLAST," "ROTAPLAST," "ROLAPLAST"; for medical adhesive tapes and plasters (5). By Rotunda, Ltd., 260 Manchester Road, Denton, Lancs. 605,952/3/4. (Associated.)
- "JESTS" on label design of jesters' heads; for medicated preparations for indigestion, etc. (5). By Jest, Ltd., 250 Argyll Avenue, Trading Estate, Slough, Bucks. 605,391. (Associated.)
- "LUCIFER SIX" on label design (word "Six" and numeral "6" disclaimed); for sanitary towels (5). By Henry Franc & Lauder, Ltd., 4 Chepstow Street, Manchester. 605,545. (Associated.)
- "ALETE"; for infants' food of milk powder and sugar (5). By Alete Milk Products, Ltd., 4 Throgmorton Avenue, London, E.C.2. 605,741.
- "VOLVITAC"; for internal and external medicines for cats and dogs (5). By Hamlyn & Houben, Ltd., 110 Fleet Street, London, E.C.4. 606,115.

## APPLICATION AMENDMENTS

The specifications of "DEX" and "HYDEX" in Class 5, Nos. 603,921/2, by O. Pepper, have been amended to "Sanitary towels, menstruation tampons and menstruation underclothes."



## Trade Notes

**AN ADDING MACHINE** for chemists is advertised in this issue by K. Bisset & Co., Ltd., Grand Buildings, Trafalgar Square, London, W.C.2.

**LYPSYL SHOWCARD.**—Vinolia Co., Ltd., Bebington, Cheshire, have available an attractive new showcard of a convenient size for counter or window display.

**ZONEX TELESCOPES.**—Nazone, Ltd., Zonex Works, Blackpool, Lancs, on another page direct the attention of photographic dealers to the possibilities of supplying Zonex telescopes and binoculars.

**BONUS OFFER.**—Kathleen Court (England), Ltd., are making a bonus offer of Swifan on certain orders for Cooltan. Further details will be found in the company's advertisement. Swifan, a sun-tan cream—as the name implies—will be distributed by the associate company, Sun Island Chemicals, Ltd., Morley House, Regent Street, London, W.1.

**MANUFACTURE OF PROPRIETARIES.**—Thompson & Capper Wholesale, Ltd., 5 Speke Hall Road, Liverpool, 19, have considerable experience in the manufacture of proprietary preparations on behalf of those who have not facilities for undertaking such work themselves. Details of how the company can assist in this manner will be sent to anyone interested.

**HEPRONA.**—Evans Sons Lescher & Webb, Ltd., 56 Hanover Street, Liverpool, have placed on the market under the name of Heprona a preparation containing liver extract, colloidal iron and Vitamins B<sub>1</sub>, B<sub>2</sub> and C. The product, which is a Chemists' Friends line, is issued in bottles of 6 and 12 oz. Another interesting preparation issued by the company is Malagride brand acetarsol. This organic arsenical preparation is of considerable value in veterinary practice, notably in the treatment of blackhead in turkeys, general debility in sheep, pigs and dogs and non-parasitic skin diseases in dogs and cats.

**BLUE JAY CORN REMEDIES.**—British and International Proprietaries, Ltd., Africa House, Kingsway, London, W.C.2, have been appointed sole distributors for Bauer & Black, Chicago, the manufacturers of, among other products, Blue Jay corn plasters and liquid. The company offers to supply the new dancing girl display unit on certain orders to chemists who desire to link up with the advertising campaign in respect of the above-mentioned proprietaries. The percentage of profit on Blue Jay lines has been increased.

**SANDER DRESSING.**—A. de St. Dalmas & Co., Ltd., Leicester, have drawn our attention to their Sander antiseptic dressings. These consist of a tissue-like adhesive material on



which is a dressing of bismuth subgallate. The Sander dressing is adjustable to any anatomical region, is durable and flesh coloured. It is stated that it will withstand washing, is impervious to oil and will not fray, while perforations permit aeration of the skin. It is supplied packed in tins as shown in the accompanying illustration, and there is also available a doctor's set.

**COLOURED CONTAINERS.**—The International Bottle Co., Ltd., 48 Fore Street, London, E.C.2, are able to supply glass containers, bottles and jars, in almost any colour from delicate pastel shades to rich blues and purples. The surface and colour of the containers is stated to be absolutely permanent. Samples will be submitted on request.

**ROBEL CONCERTINA JAR.**—Robel, Ltd., 131-134 New Bond Street, London, W.1, are now packing a number of their toilet creams in the novel concertina jar shown in the accompanying illustration. For this form of enclosure a number of advantages are claimed, among others, that it avoids the effect of getting cream under the nails, it extrudes all its contents, and the exact amount of cream required is obtained by very slight pressure on the top of the container.



**DIMOL LABORATORIES, LTD.,** 34-40 Ludgate Hill, London, E.C.4, have recently introduced two new preparations, namely Dimol paraffin and Dimol syrup of figs. Application has been made for the inclusion of all Dimol preparations in the Chemists' Friends scheme.

**MACLEANS, LTD.,** Great West Road, Brentford, Middlesex, have brought out some attractive showcards for their new Macset wave set. Another interesting product issued by the company is the slide tin of Maclean brand stomach tablets. This particular packing is one tablet thick and therefore extremely convenient for carrying in the pocket or handbag.

**WHITSUN HOLIDAYS.**—Homburg Pharma, Ltd., Africa House, Kingsway, London, W.C.2, inform us that their office and warehouse will be closed from Friday evening, May 26, until Tuesday morning, May 30. During this time supplies of Homburg and Chemosan lines may be obtained from John Bell & Croyden, 50 Wigmore Street, London, W.1, or from Mr. R. Woolby Brooke, 38 Gloucester Road, South Kensington.

**KODAK PHOTOGRAPHIC PLATES.**—Kodak, Ltd., Kingsway, London, W.C.2, announce that their photographic plates are now obtainable in popular sizes and packings for amateur photographers. Packed in boxes of sixes and twelves in the most popular sizes, the plates available include P.800 super sensitive panchromatic, P.500 rapid commercial panchromatic, 0.800 ultra speed orthochromatic, 0.500 super speed orthochromatic, 0.250 rapid orthochromatic, 0.120 commercial orthochromatic. Two new lantern plates have also been added to the Kodak range: L.10 contrast black tone bromide and L.15 medium black tone bromide.

**SANDBAG PROTECTION.**—Sandbags are being adopted to a large extent in connexion with the A.R.P. protection schemes for works, industrial and public buildings. Although this method of protection has been found particularly effective it has one serious drawback in that the material from which the bags are generally made is rapidly destroyed by damp and mildew. A method of proofing jute hessian sandbags to render them impervious to rot, damp, and mildew has been developed by the Willesden Paper & Canvas Works, Ltd., Hancock Road, Bromley-by-Bow, London, E.3. It is known as the Cuprammonium process and by it the bags can be proofed at a cost of less than one penny each. A series of official tests showed that whereas unprotected sandbags filled and placed in position began to deteriorate within three to four weeks and completely disintegrated within five months, bags proofed by the company's process remained unaffected for an indefinite period.



## Personalities

MR. EDWARD A. BAILEY, M.P.S., 9 Strait Bargate, Boston, is making satisfactory progress following his recent illness.

MR. L. A. GARRATT has joined the representative staff of Gale, Baiss & Co., Ltd., wholesale druggists, London, S.E.15.

MR. ROBERT J. BRAND, M.P.S., 95 High Street, Thame, has been elected vice-chairman of the local urban district council.

MR. WALTER L. SUMMERFIELD, Ph.C., King's Lynn, has been appointed chief pharmacist at the London Chest Hospital, Victoria Park, E.2.

ALDERMAN B. HOLDEN, J.P., M.P.S., Blackburn, has been appointed to the District Advisory Committee of the Unemployment Assistance Board.

MR. EDMUND OWEN, M.P.S., who recently retired from the position of territorial general manager of Boots, Ltd., has been elected unopposed as a member of Chester city council.

## Births

Notices for insertion in this column must be properly authenticated.

POLYBLANK.—On May 21, Phyllis (*née* Heath), the wife of E. G. Polyblank, M.P.S., 84 Ebrington Street, Plymouth, of a daughter.

REES.—On May 9, the wife of Donald Ivel Rees, M.P.S., 23 Fayre Road, Fareham, of a son.

## Marriages

MARTYN—KELLY.—At Hendon, on May 18, Sir Henry Martyn, K.C.V.O., F.R.C.S., to Dr. Freda Kelly, elder daughter of Mr. and Mrs. W. B. Kelly, of Hatch End, Middlesex. (Mr. W. B. Kelly has been connected with W. J. Bush & Co., Ltd., Ash Grove, Hackney, London, E.8, for over fifty years.)

MITCHELL—PYE.—At St. Thomas's Church, Bury, recently, Clifford Mitchell, M.P.S., Rochdale, to Constance M. Pye.

RUOFF—TYLEE.—At St. John's Church, Trowbridge, on May 20, Vernon Ruoff, elder son of Mr. F. H. Ruoff, M.P.S., 57 Chichester Road, Portsmouth, to Madeleine Tylee.

## Deaths

ANDREW.—At his home, High Bank, Hurst Lane, Bollington, near Macclesfield, on May 3, Mr. John Herbert Andrew, Ph.C., aged seventy-one. Mr. Andrew was principal of the firm of J. H. Andrew & Son, chemists and opticians, Pool Bank Pharmacy, Palmerston Street, and had been in business in Bollington for forty-two years. He served his apprenticeship with Braddock & Bagshaw, Oldham, qualified as a chemist and druggist in 1889 and as a pharmaceutical chemist in 1890. He is survived by a son, Mr. A. D. Andrew, M.P.S., who will carry on the business.

BINNS.—On May 17, Mr. John Edward Binns, 25 Town Hall Street, Sowerby Bridge, aged fifty-seven. Mr. Binns served his apprenticeship at Huddersfield, and took over an old-established pharmacy at Wharf Street, Sowerby Bridge, thirty years ago, later removing to Town Hall Street. He was a member of the local Pharmaceutical Association, and had been a vice-president of the former Sowerby Bridge Traders' Association. He was well known in local bowls, golf and cricket circles. Mr. Binns is survived by a widow and four children.

BUCKLEY.—Recently, Mr. Walter Buckley, chemist and druggist, aged eighty-one. Mr. Buckley was in business in Tyne-mouth Road, North Shields, for more than forty years.

CHAPMAN.—On May 15, Mr. Richard George Chapman, chemist and druggist, 65 Grasmere Road, Handsworth, Bir-

mingham, aged eighty-nine. Mr. Chapman was in business before August 1, 1868, and his name was added to the Register in 1884.

CROSBY.—On April 28, Mr. Thomas William Crosby, Ph.C., 98 Station Road, Harrogate, aged forty-six.

DARLEY.—At 58 Holme Road, West Bridgford, Nottingham, on May 8, Mr. E. E. Darley, M.P.S., aged seventy. Mr. Darley had been for many years a manager for Boots, Ltd., but retired about six years ago. He was a member of the West Bridgford Lodge of Freemasons. Representatives of Messrs. Boots attended the funeral.

FLOYD.—On May 19, Mr. Joseph Arthur Floyd, M.P.S., 68 Whiting Street, Bury St. Edmunds, aged eighty-two. Mr. Floyd retired from business eight years ago after thirty-three years as representative for a firm of wholesale chemists. For more than fifty years Mr. Floyd was organist at St. Edmund's Catholic Church, and in 1933 was presented by the Pope with the emblem *La Croce Pro Ecclesia et Pontifice*, in celebration of his musical jubilee.

FORBES.—Recently, Mr. Edward Forbes, M.P.S., 81 Trent-ham Street, Southfields, London, S.W.18. Mr. Forbes qualified in 1886.

FYFE.—In Aberdeen Royal Infirmary, on May 18, Mr. Peter Glennie Fyfe, M.P.S., 155 High Street, Laurencekirk, Kincardineshire. A native of Aberdeen, Mr. Fyfe removed to Laurencekirk about fifteen years ago and set up in business in that town. He qualified in 1905, and was a pharmacist at the Aberdeen Infirmary for about twelve years from 1912. He was an officer of the local musical society.

HARRISON.—The funeral of Mr. G. W. Harrison (see *C. & D.*, May 20, p. 553) took place at Holy Trinity Church, Hull, on May 20. Among those who attended were Mr. A. G. Surfleet (joint managing director, Loffhouse & Saltmer, Ltd.); Messrs. P. J. Lovett, G. G. Simpson, W. H. G. Whitlow, T. L. Harrison, C. E. Hammond (directors); Messrs. R. Spyvee (representing the Grimsby Chemists' Association); A. E. Brocklehurst (president, Hull Chemists' Association), H. Bays, A. T. and A. W. B. Thirsk, C. A. Hewitt, R. B. Sawyer, H. Ringrose, A. F. Cluff (chairman, Hull Branch, National Pharmaceutical Union), E. Hindle, E. A. Davies, York, C. S. Starbuck, Market Rasen, S. T. Boyce, W. O. Wright, A. Goldthorpe, H. S. Smart, G. Hobbs, T. H. Newton, S. Lambert.

HORNE.—On April 24, John Horne, Ph.C., 33 Surrenden Road, Brighton, aged eighty-one.

MITCHELL.—At 139 Newtownards Road, Belfast, on May 19, Mr. Thomas Mitchell, Ph.C. Mr. Mitchell had been in business in Newtownards Road since 1912. He was a member of the Ulster Chemists' Association, and a Past Master of the Galen Lodge of Freemasons. The funeral took place on May 21 at the Glascar Presbyterian Burying Ground, co. Down.

NEALE.—At Herne Bay, on May 14, Mr. Frederick Herbert Neale, M.P.S., 92 Mortimer Street, aged eighty-six. Mr. Neale had been in business at Herne Bay for over fifty years.

PALMER.—At Ryecroft, Mill Road, Bluebell Hill, Rochester, on May 5, Mr. William Joseph Palmer, Ph.C., aged eighty-four. He leaves a family of eight, of whom the eldest son, Mr. William Palmer, Ph.C., is senior partner in the firm of Nathaniel Smith & Son, Cheltenham.

SOANES.—At 106 Trinity Street, Norwich, on May 19, Mr. Ernest Albert Soanes, chemist and druggist, aged fifty-six.

SNOXELL.—On May 10, Mr. Samuel Snoxell, chemist and druggist, Devonia Cottage, Ripley, Surrey, aged eighty-three.

UPSON.—Recently, Alderman Arthur Upson, chemist and druggist, Kenwith, College Avenue, Maidenhead, aged seventy-five. A native of Botley, Hampshire, Mr. Upson began his pharmaceutical career at Southampton, was later an assistant to Mr. J. W. Walker, Maidenhead, and qualified in 1887. Subsequently he became a director of Bateman's Optical Co., Ltd., of which company he was chairman in 1934. He had been a town councillor for forty years and was mayor of Maidenhead in 1907-08 and 1936-37. He had also been a county councillor for many years.





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# THE CHEMIST AND DRUGGIST

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### “Chemist’s Dictionary of Medical Terms”

WE have pleasure in announcing the publication of the sixth edition of the “Chemist’s Dictionary of Medical Terms” (C. & D. Offices, 8s. 10d. post free). The Dictionary, it may be recalled, arose out of a brief treatise in *The Chemist and Druggist Diary*, 1907, reprinted with additions, and since constantly in demand by chemists and others as a concise work of reference. On the present occasion the revision has been more intensive than usual. The introduction of physiology into the pharmaceutical curriculum has extended the normal range of the pharmacist’s everyday knowledge; and this circumstance, in its turn, has modified his position in relation to his medical customers, who will tend to expect on his part, as a matter of course, acquaintance with most of the medical terms familiar to them. The number of entries in the Dictionary has accordingly been considerably increased. The notes relating to treatment have been discontinued, this aspect of disease being systematically discussed in “Diseases and Remedies,” another of the C. & D. series of textbooks. Numerous dictionaries and other works have been consulted, and the views of various authorities (which are not always in agreement) duly collated.

A book of this kind is of value to pharmacists for the further reason that intricacy of relation between associated medical terms is, in many cases, hardly distinguishable from confusion. An appeal to etymology is seldom of any avail, as it is always possible to suggest a derivation for the purpose of bolstering up an arbitrary definition. The few examples we have selected can be matched in almost any part of the medical alphabet. Abiotrophy, abionergy and hypotrophy are recognised as synonyms; cythæmolysis and hæmatocytolysis are also synonyms. There are two parallel sets of terms recognised in uterine physiology and pathology, and three in ovarian function and dysfunction. That type of duplication, in an age of standardisation, strikes the student as archaic; and words so defined as to leave the ordinary reader in doubt whether or not they are synonymous with other words present a greater difficulty. The regular user of any of the larger medical dictionaries can,

with a good deal of certainty, locate the places in which there appears to have been a hesitation between giving a cross-reference and evolving a separate definition. The inquirer who sets out to discover the differences between hydrocyst, hydroma and hygroma may well be led to wonder how far these differences really extend; having settled that problem, he can proceed to unravel the relationships between bromidrosis, kakidrosis, osmidrosis and ozochrotia. Agoraphobia and kenophobia may be given individual definitions, but do they differ essentially? Complexity of orthographical origin may be illustrated by the five words hyperergasia (which, with its synonym hypergia, signifies abnormal functional activity), hypergasia (decreased functional activity), hypergenesis (excessive production or growth), hypo-ergic (less strongly than normal). An examination question might readily be devised on the four nouns sclerema, scleroderma, scleroma, sclerosis, with the three adjectives scleroid, sclerosal, sclerosus. When medical witnesses give evidence in court with their minds loaded with this kind of “learning,” it is hardly to be wondered at if Bench and Bar grow politely ironical. Through this jungle we have endeavoured to cut a reasonably straight path; and we believe that in disputable cases we have held the balance evenly.

### Busy Times Ahead

ONE of the first matters which the Council of the Pharmaceutical Society will have to consider at its next meeting is the election of officers, and on this occasion the problem is in a way complicated by the absence of two members both of whom have served as president and treasurer. Mr. Deacon will in the normal course of events become president; thus, the office of vice-president will have to be filled. In the event of the chief office of the Society being held for only one year (and the practice in recent years has been for tenure to be less lengthy than formerly), the point arises that whoever is chosen as second in command would presumably be president in the Society’s centenary year. The selection of a treasurer is again no simple task, nor will the holder of that office have an easy time if the councillor proposes to exercise the degree of control over the finances that is desirable from the members’ point of view. Among elected members on the Council as at present constituted there are six past presidents, while several other members have served for three years or more. So far no woman has occupied any of the principal offices, but in view of the steadily increasing number of women members of the Society, the time may not be far distant when the precedent of the London County Council will come to be followed. Having filled the vacancies and arranged sundry other matters to its satisfaction, it is to be hoped that the Council will devote itself energetically to the problems, domestic and otherwise, which beset members at the present time. In fact, rarely before can so many matters of such importance to pharmacy have been awaiting solution simultaneously. Perhaps the most urgent concerns the removal of the medicine stamp duties. Meetings between the Council and other interested bodies have been taking place, but no official statement on these deliberations has so far been issued for publication. In addition to efforts which are being made to interest members of Parliament, the Council is urging that M.P.s be interviewed by their pharmacist constituents, who should point out the adverse effect of the removal of the duties on the public as well as to themselves. A memorandum issued by the Society is



published elsewhere in this issue. Attention might next be turned to national affairs in respect both of military service for students and of commissions for pharmacists in the Army. Another matter of national importance concerns supplies of drugs and dressings in war-time to civilians. Chemists have been told to remain in their pharmacies on an outbreak of hostilities, but whether they will be able to supply what the public may require is another matter. To take an example: the evacuation of the population from dangerous areas may cause a demand in country districts for drugs and disinfectants on a scale far above normal, even apart from the needs created by casualties or epidemics. Moreover, such matters should provide ample material for the public relations officer, whose activities have not been so evident as members would like. Of more domestic importance is the Society's Benevolent Fund, and it is to be hoped that this will not suffer through the publicity being given to the needs of the Building Fund. It is obvious that members of the Council will be called upon to devote a great amount of time to the affairs of the Society in pursuing a policy in the best interests of pharmacy.

### Sudan Gum Acacia Crop

EXCEPT for short periods values of this important commodity have for some long time past remained at low levels. The improvements recorded in the market from time to time, due generally to speculative operations, were seldom sustained for any length of time. If the reports from the source regarding this season's crop of gum are correct, there may well be fair reason for anticipating a return to at least what are usually accepted as normal values. According to one report from Khartoum, the arrivals of new crop up to April 30 amounted to 9,850 tons, compared with 15,500 tons at the corresponding date in 1938. The gatherings from the second tappings, which commenced about the middle of March, are also reported to be deficient, and this further reported failure of the crop can only aggravate the position. The seasonal rains have commenced in the Sudan, and the tapping season is expected to conclude before the end of June. The quantity of gum that is to be expected to be brought in up to that time is, it is stated, likely to have little or no effect on the present heavy shortage. Quotations from the source for Kordofan cleaned sorts have already advanced from about 38s. up to 41s. 6d. per cwt. c.i.f. London, for May-June shipment, the higher quotation being cabled to London on Wednesday.

### Insurance Prescriptions by Telephone

RECENTLY, in a communication to medical practitioners in its area, the East Sussex Insurance Committee set forth its conclusions on the question whether a doctor is in order in telephoning Insurance prescriptions to a chemist. The conclusions were reached after consideration of an actual instance which came before the Committee, and it is understood that they have been approved by both Panel and Pharmaceutical Committees, and that the view has been expressed by the Ministry of Health that the conclusions reached are "sound and proper." The Committee states that ordering by telephone is only justifiable in exceptional cases, in which it can be shown that a distinct gain to the insured person results, and even then only when the prescription does not contain dangerous drugs or poisons. In every instance where medicine is ordered by telephone, the Committee recommends that the practitioner should write out and sign an order on the appropriate form, either before telephoning or at the same time as the call is made, and that the written confirmation should reach the chemist at the earliest possible moment and in any case not more than twenty-four hours after the message has been telephoned. It

is, in our view, doubtful whether the Committee's conclusions, if accepted generally throughout the country, will seriously affect chemists under contract with Insurance Committees, but vigilance will be necessary to ensure that doctors who telephone prescriptions do so only after consulting patients as to the chemist they prefer.

### Chemists in War-Time

THE inclusion of chemists (not pharmacists) of twenty-one years of age in the revised edition of the Schedule of Reserved Occupations by the Ministry of Labour form the subject of a letter by Dr. Herbert Levinstein to "The Times" on May 23. In these exemptions, states Dr. Levinstein, there is a question of public policy of fundamental importance, "namely, the creation, without adequate reason, of a privileged class of young man. To say that any ordinary young man who has just taken an honours degree in chemistry is a 'key' man, or indispensable to a chemical works or to chemical industry, all practical industrialists know to be not merely untrue but absurd. Incidentally, many young men who have taken a first or second class honours degree in chemistry, which enables them to become an associate member of the Institute of Chemistry, are older than twenty-one. In any event they are beginners. A couple of years later, when they have learned the technique of carrying out original work under the direction of an experienced chemist, they are ready to enter a chemical works. But they do not enter to teach. They enter to learn. . . . It is incomprehensible to me, having lived through the last war and had the experience of building up great chemical factories during that period, that a young man of twenty-one who is rated as a chemist (not a pharmacist) should be considered indispensable to industry. If chemical industry has to be expanded the greatest shortage will again be found in the lack of charge hands and experienced foremen, not in that of young chemists of twenty-one, in whatever school they have been trained." After discussing the position in regard to a man calling himself "a chemical engineer," Dr. Levinstein says he knows of only one reason for which a boy, otherwise fit, who has studied chemistry or chemical engineering, should be exempted from service in the field. If he is the sole or the main support of a father, mother or others dependent on him, his duty lies at home, but not because he is indispensable for the manufacture of chemicals.

While there is no doubt much to be said in favour of Dr. Levinstein's argument, it is not primarily a question of creating a privileged class but of using technical knowledge to the best advantage. There is in war-time a greater need for chemists than in peace-time, and to allow men with, say, four years of technical education to take part in military service where their training is of no value, while others with no training are concerned with chemical processes, is obviously a waste of a nation's man power.

### Apprenticeship Difficulties in New Zealand

CONSIDERABLE space is devoted in a recent issue of the "Pharmaceutical Journal of New Zealand" to a discussion of the causes of a shortage of apprentices that apparently exists at present in that Dominion. The conclusion is reached that two factors operate to bring about this state of affairs, viz. unwillingness on the part of many proprietors to take apprentices; and the advice given to boys considering pharmacy as a career by school teachers and parents. A father is pictured by the writer of the article as giving advice to his son in the following terms: "The prospects are not good enough. You serve four years' apprenticeship, there is a long course of study and a stiff qualifying examination, and there is no evidence that you can earn a living from the training so gained. You spend sufficient time, money and energy to gain for yourself a professional standing if applied in other directions. In pharmacy, you are qualified to dispense, and to sell poisons, and beyond that you have no standing above ordinary shop-keeping." As is well known to *C. & D.* readers, a Pharmacy Plan has recently been put into operation in New Zealand. The present shortage of apprentices seems therefore to offer a moral to pharmacists in this country. It is that drawn by the New Zealand writer—that "all the planning in the world will not overcome these powerful influences unless it secures for the pharmacist control of all drugs, chemicals, and preparations obtained from them."



# U.S. Food, Drug and Cosmetic Act

PARTICULARS of the working of the Federal Food, Drug and Cosmetic Act of June 25, 1938 (see *C. & D.*, 1938, II, 199) are given in "Industrial and Engineering Chemistry" (news edition, 17, 7, 225) by P. H. Dunbar (a regulatory officer of Food and Drug Administration, U.S. Department of Agriculture). In the first instance enforcement of the Act was directed against poisonous eyelash dyes, samples of which were located and analysed within the first three weeks of its coming into force.

Seizures of inter-State consignments numbered seventy-six and the action taken resulted in the practical disappearance of poisonous eyelash-dyes from the market. Drug shipments (twenty-three) and therapeutic devices (forty-six) were also among the seizures. Astonishment is expressed by the author of the report at the number of applications filed to satisfy the requirement that new drugs shall not be introduced to inter-State commerce, except by authority of the Secretary of Agriculture that the products are safe for use. The Food and Drug Administration passed between June 25, 1938, and March 27, 1939, over 400 applications; 200 more are pending. The majority of the products are merely new combinations of known drugs and are innocuous from a public health standpoint, so far as direct damage is concerned. In many instances, however, it is stated to be highly questionable whether they possess the therapeutic properties claimed for them, and action may have to be taken after the law has become fully effective on June 25, 1939. Medicinal preparations of a new and valuable kind, developed by research laboratories, require more deliberate and detailed consideration as withholding might result in untold suffering, whilst undue haste in releasing a potentially dangerous product might prove disastrous. Manufac-

turers of standard (pharmacopœial or formulary) preparations and of so-called proprietary remedies have been extremely prompt in effecting mandatory label revisions. It is estimated that 97 per cent. of the labels used in the drug industry have been revised to meet the requirements of the new law. Labels for drug products must declare the contents, including a quantitative declaration of any ingredients that may render them habit-forming, and must give a warning to this effect. The active ingredients of non-official preparations must be listed and adequate directions given as to use, with warnings that consumption by children or persons in a pathological condition might be dangerous to health. The prohibition of the use of any coal-tar colour in a food, drug or cosmetic, except from a batch certified as safe and suitable for the purpose, taxed to capacity the activity of the pharmacological laboratories of the Department, but 132 colours have been certified for tentative acceptance. The food industry has lagged behind the drug trade in fulfilling the new labelling provisions, presumably owing to the provisions for food labelling being less drastic and to the expectation that standards for food products will be enacted at an early date, including compulsory and appropriate sanitation standards. In this connection the use of containers composed wholly or partly of poisonous substances is prohibited, whilst dishonest containers (formed or filled so as to deceive) are also illegal. A profound influence in administration of the Act will be the fact that the definition of misbranding now includes what the label fails to say as well as incorrectness in what it states. A sum of over half a million dollars has been voted to enable the Administration to carry out its duties during the next fiscal year. It is anticipated, however, that procedure will rapidly become standardised and stabilised, and compliance simple and automatic.

## Liability for Increase of Assessments

WHERE, during the currency of a lease, an increase in the rating or Schedule A assessment of the premises takes place, the important question arises as to who is to pay for the extra burden. An increase of assessment may arise in more than one way. It may be produced by a general increase in the value of property as a whole in the district; or again the value of the particular premises themselves may be raised in consequence of the execution of alterations or improvements; or again the tenant may sublet parts of the premises at profit rentals, and thereby create what in some cases may really be an artificial increase in the value of the premises regarded as a whole. Most leases contain provisions with regard to payment of the rates and taxes either by the landlord or by the tenant; but in general the point appears to be entirely overlooked as to the incidence of the liability for any extra payments for rates or Schedule A tax arising in consequence of an increased value in the premises. Moreover, the position with regard to Schedule A tax is peculiar. Although the tenant is primarily liable for payment of the tax, yet he is entitled under the Income Tax Act, 1918, to deduct the payment from his next payment of rent. He may only deduct, however, tax on an amount corresponding to the amount of the rent payable by him. Thus, if the assessment is in excess of the rent, the amount of tax in respect of the excess would be borne by the tenant, unless of course there happened to be an agreement by the lessor to pay all rates and taxes or to pay any such excess.

On examining in the first place the position of a landlord and tenant, where the tenant has covenanted to pay rates and taxes, and where there is an increase in the rating and Schedule A assessments of the property, it is evident that the tenant will have to bear the whole of the liability for rates, but not necessarily so for the Schedule A tax. He would have the right to deduct tax from the rent, subject to the limitation above mentioned, so that in cases where the increased assessment still falls within the amount of the rent, the landlord, it seems, would have to bear the whole burden of the increase. This would be the position at any rate where the increase of the assessment was due either to a general increase in the value of property in the neighbourhood, or to the fact that portions of the premises had been sublet by the tenant at profit rentals. It is not quite clear, however, as to what

would be the position where the increase was due to the execution of alterations or improvements to the premises, though it would appear that the mere fact of the execution of alterations or improvements would transfer the incidence of the Schedule A tax liability from landlord to tenant.

Where, on the other hand, the lessor has covenanted to pay all present and future rates and taxes, then the position would be as follows. Where an increase in the rating assessment was caused in consequence of the general increase in value of property in the district, or the subletting of parts of the premises by the tenant, the burden would fall wholly on the landlord. On the other hand, if alterations or improvements are executed, and the identity of the premises is thereby altered, then any increase in the rating assessment would have to be shouldered by the tenant. Thus, in a decided case, a vacant site had been let to a tenant, who was given permission to build thereon, and it was held that the landlord, although he had covenanted to pay all existing and future rates and taxes, could not be made liable in respect of the extra burden of the rates referable to the building which had been erected. As far as Schedule A tax is concerned, the position, it seems, would be the same except that it might happen where alterations were executed that the new assessment of the altered premises might be in excess of the rent, and the tenant would have to bear the burden in respect of the excess.

So far as trade premises, however, are concerned, the Landlord and Tenant Act, 1927, has made express provision as to incidence of liability for extra rates or taxes where improvements are executed, but the provision applies only in those cases where the procedure of the Act is strictly followed by the tenant. It will be noted that it is only by following this procedure that a tenant may compel his landlord to allow the improvements to be executed and in addition recover compensation for the improvements at the termination of the tenancy. The above statutory provision will be found in Section 16 of the Landlord and Tenant Act, 1927, and it provides that where improvements have been executed by a tenant pursuant to the Act and in accordance with the statutory procedure, the tenant is to be liable to pay the landlord all sums that the landlord would otherwise be liable to pay by way of extra rates or taxes due to improvements.



# Trade Report

Where possible scales of prices of chemicals are given for bulk down to small quantities. Prices recorded for crude drugs, essential and fixed oils and coal tar products are for fair sized wholesale quantities. Qualities of chemicals, drugs, essential and fixed oils, etc., vary, and selected brands or grades would be at higher values

## 28 Essex Street, W.C.2, May 25

THE volume of business transacted this week seems to have been rather moderate but there has been a steady flow of routine orders for a wide range of products. For some weeks past there has been evidence that many consumers were taking in stocks well above their average requirements. Inquiry from the Baltic countries for a fair range of commodities has been quite good but actual business has not amounted to much so far. In the PHARMACEUTICAL CHEMICALS markets the trade has been moderately good and prices are keeping generally steady. Following the sharp decline in metal values the makers of MERCURIALS notified a reduction of threepence per lb., for all salts. BISMUTH SALTS continue at the recent revised scale.

### Crude Drugs

For some weeks past there has been a very steady trade in these commodities. Business during the last few days, however, has quietened down in a rather marked manner. The general tone continues very steady with many items firm at recent advances. Shippers' quotations for new crop AGAR continue firm with values still advancing on a short supply. There is plenty of interest in the position of new crop Curaçao ALOES, but it is so far difficult to get firm offers and bids at good figures continue to be ignored. Sumatra BENZOIN tends dearer for the lower qualities. Shipment prices for new crop BUCHU are firmly maintained. This week there have been very few shipment offers of new crop CASCARA SAGRADA with speculators' ideas of values rather dearer. The cheaper quotations for COLOCYNTH PULP have been withdrawn. The demand for DERRIS ROOT continues poor. Spot values for Polish and Portuguese ERGOT tend to harden. A sharp advance in shipment quotations for new crop Sudan GUM ACACIA is reported. Some cheap sellers of bulk lots of HENNA, green leaves, are noted. Jamaican HONEY continues a strong market on short supply; market quiet. HYDRASTIS is rather firmer but quiet. Japanese MENTHOL has had a rather quiet week, closing steady. Spanish-Italian MERCURY shows no further alteration in value. PEPPERS are again fractionally easier. Fair amount of business in rough round RHUBARB at full prices; no shipment offers. The London market is bare of supplies of SENEGA. Business in SENNA has been quiet this week, but with stocks rather low values are quite steady. Quotations for TURMERIC, Madras finger, to come forward, have varied somewhat. BEES' WAXES are quoted rather dearer and CARNAUBA wax for shipment is reported firm; spot and forward quotations have advanced.

### Essential Oils

Dealers report a rather marked falling off in business after a period of fair activity. Shipment quotations for ANISE (STAR) are gradually weakening. Some inquiry for white CAMPHOR but there appears to be nothing available. Ceylon CITRONELLA for shipment remains dull. Australian EUCALYPTUS is firm at recent advances. No shipment offers of Ho (SHU). Shipment prices for Sicilian LEMON are dearer this week and the source reports the market is firm. LEMONGRASS shows a further slight decline in the shipment market. Quite a good business reported in West Indian LIME and prices show a recovery from recent low levels. The demand for MANDARIN has been good. With practically no shipment offers of new crop French Guinea ORANGE the spot market is very steady. Singapore PATCHOULI continues firm at recent advances. Japanese PEPPERMINT is about steady with business quieter.

### Exchange Rates on London

The following is a list of the chief Continental and other exchange rates at the opening on Thursday morning:—

Centre	Quoted	Par	May 18	May 25
Amsterdam ...	Fls. to £	12·107	8·72	8·71
Berlin ...	Mks. to £	20·43	11·66	11·66
Brussels ...	Belgas to £	nominal	27·50	27·50
Copenhagen ...	Kr. to £	18·159	22·40	22·40
Lisbon ...	Esc. to £	110	110	110
Madrid ...	Ptas. to £	25·24½	nominal	nominal
Milan ...	Lire to £	92·46	89	89
Montreal ...	Dols. to £	4·86½	4·70	4·69½
New York ...	Dols. to £	nominal	4·68	4·68½
Oslo ...	Kr. to £	18·159	19·90	19·90
Paris ...	Fr. to £	124·21	176½	176½
Prague ...	Kr. to £	164·25	nominal	nominal
Stockholm ...	Kr. to £	18·150	19·40	19·40
Warsaw ...	Zloty to £	43·38	25	24½
Zurich ...	Frs. to £	25·2115	20·82	20·78

Bank rate 2 per cent.

### Pharmaceutical Chemicals, etc.

REPORTS indicate a fair volume of business, with quoted prices fairly steady. Following upon the sharp decline in metal prices, makers of mercurials notified a reduction of 3d. in their prices for all salts.

ASPIRIN (TABLETS).—The agreed scale of prices for bulk quantities continues steady at the recent reductions: Under 5,000, 2s. 10d. per 1,000 tablets; 5,000, 2s. 8d.; 10,000, 2s. 7d.; 25,000, 2s. 5d.; 50,000, 2s. 4d.; 100,000, 2s. 3d.; 250,000, 2s. 2½d.; 500,000, 2s. 2d.; 1,000,000, 2s. 1d. per 1,000 tablets. Wholesale distributors' prices for small quantities would be at higher figures.

BARBITONE.—Market remains dull: spot, two cwt., 8s. 11d.; 56 lb., 9s. 2d.; less than 56 lb., 9s. 5d. per lb.

BENZOIC ACID (B.P.).—Continues steady: five cwt., 1s. 7½d.; one cwt., 1s. 8d.; smaller parcels, from 1s. 9d. to 2s. 2d. per lb., ex store, as to quantity.

BROMIDES.—Makers' scales of prices unchanged: POTASSIUM, B.P., five cwt., 1s. 8d.; one cwt., 1s. 9d.; 28 lb., 2s. per lb. SODIUM, B.P., five cwt., 1s. 10d.; one cwt., 1s. 11d.; 28 lb., 2s. 2d. per lb. AMMONIUM, B.P., five cwt., 1s. 11d.; one cwt., 2s.; 28 lb., 2s. 3d. per lb. net. Resale clause applies, 28-lb. parcels and one-cwt. cases free. Smaller quantities than 28 lb., at higher prices. Export quotations are maintained as follows: POTASSIUM, B.P., five cwt., 1s. 4d.; one cwt., 1s. 4½d. SODIUM, B.P., five cwt., 1s. 5d.; one cwt., 1s. 5½d. AMMONIUM, B.P., five cwt., 1s. 6d.; one cwt., 1s. 7d. per lb., f.o.b.

BUTYL CHLORAL HYDRATE.—Business quiet: spot, 14 lb., 8s.; 7 lb., 8s. 3d.; 1 lb., 8s. 6d. per lb., in 1-lb. bottles.

CAFFEINE.—The scale of prices for Continental material continues steady, as follows: PURE: bricks, less than 56 lb., 9s. 9½d.; 56 lb., 9s. 7½d.; one cwt., 9s. 5½d. per lb. Powder, less than 56 lb., 10s. 1d.; 56 lb., 9s. 11d.; one cwt., 9s. 9d. per lb. Anhydrous powder, less than 56 lb., 10s. 6d.; 56 lb., 10s. 4d.; one cwt., 10s. 2d. per lb. CITRATE: less than 56 lb., 6s. 6½d.; 56 lb., 6s. 5½d.; one cwt., 6s. 4½d. per lb., delivered United Kingdom, duty paid. Cases and 5-lb. tins free.

CITRIC ACID (B.P. CRYSTALS).—Market continues steady: British material quoted at 1s. 0½d. per lb., less 5 per cent. discount, nominal and without engagement. Dealers' prices for imported material are competitive.

COCAINE.—British makers' prices for wholesale bulk quantities are quoted as follows: HYDROCHLORIDE and NITRATE, 25 oz., and over, 29s. 6d.; 16 oz. and less than 25 oz., 30s. 9d.; over 8 oz. and less than 16 oz., 31s. 9d. per oz. PURE, CITRATE and SALICYLATE, 25 oz. and over, 32s. 6d.; 16 oz. and less than 25 oz., 33s. 6d.; over 8 oz. and less than 16 oz., 34s. 6d. per oz., 16-oz. packages free. Smaller packing extra. The scales of prices applicable to distributors of smaller quantities are as follows: HYDROCHLORIDE and NITRATE, 8 oz., 34s. 1d.; 4 oz. and less than 8 oz., 34s. 7d.; 2 oz. and less than 4 oz., 35s. 5d.; 1 oz. and less than 2 oz., 36s. 5d.; ½ oz. and less than 1 oz., 37s. 11d.; ¼ oz. and less than ½ oz., 40s. 11d. per oz. PURE, CITRATE and SALICYLATE, 8 oz., 36s. 10d.; 4 oz. and less than 8 oz., 37s. 4d.; 2 oz. and less than 4 oz., 38s. 2d.; 1 oz. and less than 2 oz., 39s. 2d.; ½ oz. and less than 1 oz., 40s. 8d.; ¼ oz. and less than ½ oz., 43s. 8d. per oz., packages extra. Resale: Sales subject to buyers undertaking not to resell any quantity below the scale of prices for such quantity current at the time of resale. Export prices vary according to destination.

CREAM OF TARTAR.—Business average, market steady: British material, 99 to 100 per cent., 92s. per cwt., less 2½ per cent. discount. Dealers' prices for foreign material competitive.

CREOSOTE (B.P.).—Market is dull: bulk quantities, in 25-kilo demi-johns, 1s. 6d.; small parcels, 1s. 7½d. up to 2s. per lb., ex store.

EPHEDRINE.—Quoted competitively for bulk quantities: Hydrochloride, B.P., 4s. 10½d. to 5s. per oz. for minimum 1,000-oz. lots; small quantities, up to 6s. 3d. Pure alkaloid is quoted from 6s. 9d. to 7s. 3d. per oz., as to quantity.

GALLIC ACID.—A limited spot business continues: spot, one cwt., 3s.; 56 lb., 3s. 1d.; smaller parcels, up to 3s. 6d. per lb.

LACTIC ACID (B.P.).—Limited inquiry, market steady: in carboys, 1s. 4d. to 1s. 5d.; in winchesters and bottles, 1s. 6d. to 1s. 10½d. per lb., as to quantity.

METHYL SALICYLATE.—Makers' scales of prices steady: spot, ten cwt., 1s. 1½d.; five cwt., 1s. 2d.; one cwt., 1s. 2½d.; less than one cwt., 1s. 3d.; small quantities, in bottles, up to 2s. per lb.

METHYL SULPHONAL.—Market dull and unsteady: two cwt., 19s. 3½d.; one cwt., 19s. 9½d.; 56 lb., 20s. 2½d.; small parcels, up to 20s. 8d. per lb.

PARAFORMALDEHYDE.—Business quiet: 100 per cent. powder, quantities, in kegs, 1s.; smaller parcels, from 1s. 1½d. to 1s. 6d. per lb., as to quantity.



MERCURIALS.—Makers' scales of prices were reduced 3d. per lb. for all salts on May 19. The new scales are as follows:—

	Less than 28 lb.	Not less than 28 lb.	Not less than 112 lb.
	per lb. s. d.	per lb. s. d.	per lb. s. d.
Ammoniated Lump B.P. (White Precip.) ...	6 10	6 6	6 5
" Powder B.P. ...	7 0	6 8	6 7
Bichloride Lump B.P. (Corros. Sub.) ...	6 1	5 9	5 8
" Powder B.P. ...	5 9	5 5	5 4
Chloride B.P. (Calomel) ...	6 10	6 6	6 5
Red Oxide Cryst. B.P.C. (Red Precip.) ...	7 11	7 7	7 6
" Levig. B.P.C. ...	7 5	7 1	7 0
Yellow Oxide B.P. ...	7 3	6 11	6 10
Persulphate White ...	7 0	6 8	6 7
Sulphide Black (Hyd. Sulph. cum. Sulph. 50%)	6 11	6 7	6 6

Net prices. Strictly without engagement. On usual terms. Special prices for larger quantities and for contracts.

PARALDEHYDE.—Rather more business reported; in carboys, quoted from about 1s. 2d., and in winchesters from 1s. 5d. to 1s. 6d. per lb.

PHENACETIN.—Makers' quotations steady, moderate business: crystals or powder, bulk quantities, from 2s. 6d.; smaller parcels, 2s. 7d. up to 3s. per lb., as to quantity.

PHENAZONE.—Demand restricted, quoted keenly: crystals, five cwt., 6s. 9½d.; two cwt., 7s.; one cwt., 7s. 3d.; and less, up to 7s. 6d. per lb., with powder 2½d. per lb. extra.

PHENOLPHTHALEIN.—Quiet, values steady: two cwt., 2s. 9d.; one cwt., 2s. 10d.; 28 lb., 3s.; 14 lb., 3s. 1d.; 7 lb., 3s. 2d.; smaller parcels, up to 3s. 6d. per lb.

PHENYLETHYLBARBITURIC ACID.—Dealers' prices in 2-lb. bottles are steady at about 16s. to 17s. per lb., as to quantity.

PHOTOGRAPHIC CHEMICALS.—Home makers' prices are as follows: AMIDOL.—28 lb., 8s.; 14 lb., 8s. 9d. net; 7 lb., 9s. 6d., in free 7-lb. tins; under 7 lb., 12s. per lb., in free 1-lb. bottles, less 2½ per cent. monthly terms. CHLORQUINOL.—1-lb. bottles, 21s. per lb. GLYCIN.—7 lb., 10s. 6d.; 1-lb. bottles, 13s. 6d. per lb. HYDROQUINONE.—56 lb., 4s. 10½d.; 28 lb., 5s.; 14 lb., 5s. 3d.; 7 lb., 5s. 6d.; in 1-lb. bottles, 6s. 6d. per lb. METOL.—28 lb., 9s. 6d.; 14 lb., 9s. 9d. net; 7 lb., 10s. 6d., tins free; 3 lb., 12s., bottles free; 1-lb. bottles, 12s. 6d. per lb., bottles free, less 2½ per cent., monthly terms. ALUM (PHOTOGRAPHIC QUALITY).—1 cwt., 21s. per cwt., 28 lb. for 6s. GOLD CHLORIDE.—15-grain tubes, 45s. per doz. MAGNESIUM POWDER.—10s. per lb. PARAMIDOPHENOL HYDROCHLOR.—8s. 6d. per lb., bottles free. POTASSIUM FERRICYANIDE.—14 lb., 2s. 2d.; 7 lb., 2s. 4d.; 1 lb., 2s. 6d. per lb. POTASSIUM METABISULPHITE.—One cwt., 8d.; 28 lb., 9d.; 14 lb., 10d.; 7 lb., 1s. per lb. PYROGALLIC ACID, CRYST.—One cwt., 7s. 9d.; 56 lb., 8s.; 28 lb., 8s. 3d. net; 14 lb., 9s. 9d.; less than 7 lb., 10s. 3d. per lb., less 2½ per cent., monthly account. Resale in small packages; 1-oz. bottles, 2s.; 4-oz., 5s. 3d.; 8-oz., 9s.; 16-oz. bottles, 16s. 1½d. each, less 3½ per cent. to the trade. RESUBLIMED.—1-oz. bottles, 2s. 6d.; 4-oz., 6s. 6d.; 8-oz., 11s. 3d.; 16-oz. bottles, 20s. 3d. each, less 3½ per cent. to the trade. SODIUM CARBONATE, RECRYST.—5 cwt., 12s. 6d. per cwt.; 1 cwt., 15s. 6d. per cwt.; 56 lb. for 11s. 6d.; 28 lb. for 6s. SODIUM HYPOSULPHITE, CUBES, CRYST.—5 cwt., 17s.; 1 cwt., 19s. 6d. per cwt.; 56 lb. for 11s. 6d.; 28 lb. for 6s. SODIUM SULPHIDE (PURE).—7 lb., 1s. 9d.; 1 lb., 2s. per lb., bottles and jars free. SODIUM SULPHITE, RECRYST.—One cwt., 21s. 6d. per cwt.; 56 lb. for 13s. 6d.; 28 lb. for 7s.

POTASSIUM PERMANGANATE (B.P.).—British makers' scale of prices for home trade is as follows: Not less than one cwt., 10½d.; not less than three cwt., 10d., in drums; not less than 5 cwt., 9½d. in 1-cwt. drums and 9½d. in 5-cwt. drums, net, delivered buyer's station, drums free. Technical or commercial quality, one cwt., 96s.; three cwt., 91s. 6d.; five cwt., 89s.; one ton, 86s. 6d. per cwt., in 1-cwt. drums.

QUININE SALTS.—Convention prices continue steady: sulphate, 2s. 3d.; bisulphate, 2s. 3d.; ethyl carbonate, 2s. 11d.; salicylate, 2s. 11½d.; hydrochloride, 2s. 10d.; dihydrochloride, 3s. 1½d.; hydrobromide, 2s. 10d.; dihydrobromide, 3s. 1½d.; valerianate, 3s. 9½d.; phosphate, 3s. 5½d.; hydrophosphate, 4s. 1½d.; alkaloid, 3s. 1½d. per oz., 100-oz. tins free, carriage paid on bulk quantities.

RESORCIN.—Makers' prices unchanged: crystals, 56 lb., 5s. 6d.; 28 lb., 5s. 7d.; 14 lb., 5s. 9d.; 7 lb., 6s.; less than 7 lb., up to 6s. 6d. per lb.

SACCHARIN.—Convention price for 550 is 49s. 6d. per lb., duty paid, with rebates for quantities.

SALICYLIC ACID (B.P.).—Makers' prices unchanged: five cwt., 1s. 7d.; one cwt., 1s. 7½d.; 28 lb., 1s. 10d.; 14 lb., 1s. 11d.; 7 lb., 2s. 0½d.; 4 lb., 2s. 2½d. per lb.

SANTONIN.—The better tone recently noted is maintained, small parcel business reported: bulk quantities, £10 5s.; and smaller parcels, up to about £12 10s. per kilog.

SODIUM SALICYLATE (B.P.).—Makers' prices are steady: home trade, crystals or powder, 5 cwt., 1s. 5½d.; one cwt., 1s. 6d.; 28 lb., 1s. 9d.; 14 lb., 1s. 10½d.; 7 lb., 1s. 11½d.; 1 lb., 2s. 4d. per lb.

SULFONAL.—Dull, with quotations irregular: crystals or powder, two cwt., 15s. 5½d.; one cwt., 15s. 10½d.; 56 lb., 16s. 1d.; smaller parcels, up to 16s. 7½d. per lb.

STRYCHNINE SALTS.—Makers' scales of prices for these products have been revised. Home trade and Empire (excluding Canada) prices are as follows:—

	Under 250 oz.	250 oz. and under 500 oz.
	Per oz. s. d.	Per oz. s. d.
Pure Crystals .. .. .	1 4	1 3½
Pure Precip. .. .. .	1 4	1 3½
Acetate .. .. .	1 10½	1 10
Arsenate .. .. .	1 9½	1 9
Arsenite .. .. .	1 10½	1 10
Bisulphate .. .. .	0 10½	0 10
Hydrochloride .. .. .	1 2	1 1½
Hypophosphite .. .. .	3 4½	3 4
Nitrate Crystals .. .. .	1 2	1 1½
Nitrate Powder .. .. .	1 2	1 1½
Nitrate Powder No. 2 .. .. .	0 10½	0 10½
Phosphate .. .. .	2 1½	2 1
Sulphate Neut. Cryst. .. .. .	1 0½	1 0
Sulphate Neut. Powder .. .. .	1 0	1 0
Sulphate Neut. Powder No. 2 .. .. .	0 10½	0 10½

Terms net 30 days. 25-oz. tins free. Smaller packages charged extra. 1-oz. bottles 2d. extra. Delivered home market or c.i.f. export. For export: discount 1 per cent. cash in 10 days. Cases free. Buyers held covered against price reduction for 10 days after arrival of steamer at port of destination. Contracts can be booked for 250 oz. upwards with fall clause, delivery over six months.

TARTARIC ACID (B.P. CRYSTALS).—Fair business, market steady: British makers quote at 1s. 1½d. per lb., less 5 per cent. discount, dealers offering foreign materials at competitive prices.

THEOBROMINE.—The scale of prices for Continental material continue steady, as follows: pure, less than 56 lb., 8s. 8½d.; 56 lb., 8s. 6½d.; one cwt., 8s. 4½d. per lb. Soda sal., less than 56 lb., 6s. 10d.; 56 lb., 6s. 9d.; one cwt., 6s. 8d. per lb., delivered United Kingdom, duty paid. Cases and 5-lb. tins free. Smaller packings extra.

THYMOL.—Synthetic, fine white, one cwt., 6s.; 56 lb., 6s. 4d.; 28 lb., 6s. 9d.; less than 28 lb., 7s. 6d. per lb., tins extra; ex ajowan seed, one cwt., 8s. 5d.; 56 lb., 8s. 10½d.; 28 lb., 9s. 5d.; 14 lb., 10s. 6d. per lb.

VANILLIN.—Convention prices for home trade are steady: ex clove oil or guaiacol, five cwt., 11s.; one cwt., 11s. 1½d.; 56 lb., 11s. 3d.; smaller quantities, 11s. 6d. per lb.

### Crude Drugs, etc.

ACONITE ROOT.—Dealers' prices steady; small trade: spot, Napellus, 100s.; Japanese, 77s. 6d. to 80s. per cwt., ex store.

AGAR.—Shipment prices arriving from Japanese exporters continue very firm, and reports state the market is still advancing. Offers are confined to Kobe No. 1 for May-June shipment, and range from 4s. 4d. to 4s. 5d. per lb., c.i.f., as to shipper. Market re-sellers of April-May at 4s., c.i.f., and May-June at 4s., c.i.f., with business done and possible further buyers at these figures: spot, Kobe No. 1, 4s. 6d. paid; No. 2, 4s. 3d.; and Yokohama No. 1, 4s. 3d. per lb., with probable further small sellers. There has been a continual inquiry from the Continent and from America for any parcels offering at under the latest quotations, but little business recorded.

ALKANET ROOT.—Small spot business, with dealers quoting spot root in the region of 47s. 6d. per cwt., ex store.

ALOES.—Spot business in Curaçao has been of small account. Mail advices continue to suggest 170s. to 180s., c.i.f., for new crop opening prices and state the crop is estimated at about half normal: Cape, spot, in boxes, 47s. 6d.; shipment, 43s. per cwt., c.i.f. Curaçao, spot, 170s. up to 190s. for livery. Bids in the region of 150s. continue to be ignored by the source.

ANTIMONY.—Values are dearer: Chinese, crude, spot, £40 10s.; shipment, May-June, £40, c.i.f. English regulus, £71 per ton, ex store.

BALSAMS.—Business seems to have been of small account: *Tolu*, hard short, 1s. 9d.; *Canada*, spot, scarce and nominal at 3s. 2d.; shipment, 2s. 11d.; *Copaiba*, 1s. 8d.; *Peru*, 3s. 7½d. per lb., spot.

BELLADONNA.—Values steady at recent advance in root: leaves, 55s.; root, firm and dearer up to 75s. per cwt., spot.

BENZOLIN.—Sumatra is fully steady, and some holders tend to advance their prices for the cheaper qualities: Sumatra is quoted from 72s. 6d. to 90s. per cwt. Siam, medium almonds, £26; bean and pea, £22; pea size, £20 per cwt.

BUCHU.—Shipment market continues firm, with 1s. 3d., c.i.f., reported paid, and some quotations are at 1s. 3½d. to 1s. 4d., c.i.f. On spot, new crop is held for 1s. 5d. to 1s. 6d. per lb., and old crop, yellowish, 1s. 1½d., and some medium to good old leaves are limited at 1s. 3d., ex store.

CAMPHOR.—Average business reported, with quoted values unchanged: Japanese monopoly BB brand, £7 10s. per 100 lb.; Japanese natural, spot, tablets, 2s. 6d.; powder, 2s. 3d.; slabs, 2s. 2½d. per lb., ex store; shipment, tablets, 2s. 2d.; powder, 1s. 10½d.; slabs, 1s. 10½d.



per lb., c.i.f. English refined flowers, one cwt., 3s. 1d.; 28 lb., 3s. 2d.; small lots, 3s. 3d. per lb. Transparent tablets, 4 oz., 8 oz., and 16 oz., 3s. 4d.; 1 oz. and 2 oz., 3s. 5d.;  $\frac{1}{2}$  oz.,  $\frac{3}{4}$  oz., and  $\frac{1}{4}$  oz., 3s. 6d.

**CASCARA SAGRADA.**—Very little inquiry for spot goods, and values are unchanged. This week there has been very few shipment offers of new crop, but it seems that the lower prices previously mentioned have been withdrawn, and about 40s. to 42s. 6d., c.i.f., seem to reflect the position: spot, 1938 bark, 52s.; 1937 bark, 57s.; 1936 bark, up to 65s. per cwt., ex store, duty paid.

**CHAMOMILES.**—Dealers report rather more business in fair white flowers at steady rates of 140s. to 145s. per cwt., ex store.

**CLOVES.**—Market has been rather dull, values steady: Zanzibar, spot, 8½d.; shipment, May-June, 8d. per lb., c.i.f. Madagascar, in bond, 7½d.; shipment, May-June, 6½d. per lb., c.i.f.

The landings of Zanzibar in London during the week ended May 20 were nil, and the deliveries 12, leaving a stock of 792. From January 1 to date the landings of Zanzibar have been 1,522, and the deliveries 1,010. Landings of Madagascar for the week ended May 20 were nil and the deliveries 54, leaving a stock of 362. From January 1 to date the landings of Madagascar have been 692 and the deliveries 791.

**COCOA BUTTER.**—Continues steady and in fair demand: prime English, 8½d. to 10½d. per lb. Foreign, 7½d. to 9½d. per lb., as to quantity and quality.

**COCONUT (DESICCATED).**—Business quieter and forward quotations slightly easier: spot, fine, 19s.; medium, 19s. 3d. per cwt.; shipment, halves, May-June, 17s. 9d. per cwt., c.i.f.

Exports from Ceylon during January-February, 1939, totalled 85,500 cwt., valued at Rupees 667,000, compared with 78,900 cwt., valued at Rupees 678,000 in the corresponding months of 1938.

**COD-LIVER OIL.**—Bergen reports conditions in the shipment market are steady, but business is on the quiet side: finest Lofoten steam refined non-freezing medicinal oil, about 78s. per barrel, c.i.f. London. Small lots, on spot, about 125s. per barrel, ex store, duty paid. British finest medicinal oil, 115s. per 25-gallon drum, delivered U.K., with rebates for 25 or more drums. Finmarken fishing results continue favourable; results to May 20: 204,414 tons of cod and 90,201 hectol. of oil, compared with 151,578 tons of cod and 66,307 hectol. of oil on the same date in 1938, and 149,578 tons of cod and 74,107 hectol. of oil in 1937.

**COLCHICUM.**—Small spot trade at steady prices: root quoted at about 50s. per cwt., and seeds at 11d. per lb., ex store.

**COLOCYNTH.**—The cheaper parcels appear to have been cleared, and the lower offers are now about 1s. to 1s. 1d. This week the source reports practically no pulp being brought in.

**DERRIS ROOT.**—Market remains dull and competitive: 5 to 6 per cent. rotenone and 17 per cent. ether extract, 9d., duty paid, and 8 per cent. rotenone, 10d. per lb., duty paid; shipment, 17 per cent. ether extract, 38s., c.i.f., and 4 per cent. rotenone, 62s. 6d. per cent., c.i.f. **POWDER:** large bulk quantities might be slightly cheaper than the average quotations: 5 per cent. rotenone, 1s. 3d. and 2.5 per cent. rotenone, 1s. per lb., ex store.

**ERGOT.**—Rather more inquiry on spot, with values very steady. No offers of Polish from the source: spot, Portuguese, 4s. 6d.; Polish, 3s. 9d.

**GINGER.**—Rather quiet, but values are keeping about steady: West African, spot, about 18s. 3d.; shipment, for arrival, 16s. 3d. per cwt., c.i.f. Jamaican, spot, bold, in barrels, 65s. to 70s.; medium bold, in bags, 46s.; small grinding, in bags, about 40s. per cwt., c.i.f.

**GUM ACACIA.**—The shipment market is reported firmer, with quotations at an advance: Kordofan, cleaned sorts, spot, 43s. 6d.; shipment, 41s. 6d. per cwt., c.i.f. Editorial comment on the new crop on p. 580.

**HENBANE.**—Rather quiet: small spot parcels are now quoted from 60s. to 62s. 6d. per cwt., ex store.

**HENNA.**—Spot offers of bulk lots of new green leaves at keen prices: new crop green leaves, at about 32s. to 34s.; brown, about 29s. to 30s. per cwt., ex store.

**HONEY.**—Business has been of small account this week. Holders of the very limited supplies of Jamaican are content to wait and are not pressing for business: spot, Jamaican dark manufacturing, 32s. up to 42s. 6d. per cwt. for pale set. Canadian, about 42s. to 45s. per cwt. Californian, white clover, 47s. 6d., duty paid. Small lots of all descriptions at higher prices.

**HYDRASTIS.**—As quoted the market is very steady, business light: U.S.P., spot, 12s. 10½d. to 13s.; shipment, few offers, 12s. 7d. per lb., c.i.f. High test root, in small supply, up to 14s. 6d. per lb., ex store.

**IPECACUANHA.**—Not much doing in this article, but values are steady: Matto Grosso, B.P., spot, 6s. 9d. to 7s., as to test: shipment, offers range from 6s. 4d. to 6s. 6d. per lb., c.i.f. Carthagena, 5s. per lb., ex store. Matto Grosso, not quite up to B.P. standard, at about 6s. 4½d. per lb., ex store.

**MENTHOL.**—The Japanese product has met with a limited demand, and spot is slightly cheaper with K/S brands at 12s. 4½d. to 12s. 7½d. Japanese shippers quote May-June at 10s. 6d., c.i.f., with market re-sellers at 10s. 4½d., c.i.f. Chinese, spot, 11s. 4½d.; shipment, July-August, 9s. 7½d., c.i.f. French material, duty paid, 10s. 6d.; shipment, 9s. 4d. per lb., c.i.f.

**MERCURY.**—Spanish-Italian metal continues to be quoted at the sharp reduction notified last week: shipment, 75 dollars per bottle, f.o.b. Continent; spot, £16 4s. per bottle, ex store, London.

**PEPPER.**—A further fractional decline in values of some descriptions is recorded, market quiet: Lampong, in bond, 2½d.; shipment, May-June, 2d.; August-October, 2d., c.i.f. Tellicherry, spot, 4d.; shipment, May-June, 3s. 6d., c.i.f. Aleppy, spot, 3½d.; shipment, May-June, 3s. 6d., c.i.f. White Muntok, in bond, 3½d.; shipment, May-June, 3½d.; August-October, 3½d., c.i.f. London Terminal Market: Black, May, 2½d.; July, 2½d.; October, 2½d.; White, May, 3½d.; July, 3½d.; October 3½d.

**PIMENTO.**—Values rather better on the week: spot, 8d. per lb.; shipment, May, 7½s.; June, 70s. per cwt., c.i.f.

**PYRETHRUM.**—Japanese quoted c.i.f. London, in bulk quantities, at about 110s. to 112s. 6d. per cwt., on basis of 0.9 pyrethrin.

**QUASSIA CHIPS.**—Spot quotations are rather easier from about 18s. 6d. per cwt., ex store.

**QUILLAIA BARK.**—A limited business reported with quotations steady: spot, whole bark, about 37s., and crushed, fully 40s. per cwt., ex store.

**RHUBARB.**—Rather more business recorded, mostly in Rough Round with prices for this description firm at 2s. 3d. to 2s. 5d., as to quality: Shensi, small to medium, of poorer quality, 5s. 1½d. to 5s. 3d.; Shensi pickings, 4s. 3d. Canton pickings, a few cases only, 3s. 6d. No shipment offers. One parcel of rough round was offered at 1s. 11½d., c.i.f., and reported taken by the Continent.

**RUBBER.**—Business has been in fair volume this week with values moving within a narrow margin, closing steady: standard ribbed smoked sheet, spot, 8½d.; June, 8½d.; July, 8½d.; August, 8½d.; September, 8½d.; October-December, 8½d. per lb.

**SEEDS.**—ANISE.—Spot, duty paid Spanish, 79s.; Russian, 42s. 6d. (37s. 6d. in bond). CANARY.—Market quiet. The latest prices quoted spot, duty paid, are: Mazagan, 14s. 9d.; Morocco, 14s.; Plate, 13s.; Turkish, 13s. 6d.; Spanish, 25s. to 37s. 6d. CARAWAY.—Market remains firm: Dutch, 47s. 6d., spot, duty paid; 43s., f.o.b. Holland.

**CORIANDER.**—Morocco on spot offering at 17s. 6d. duty paid and 15s. 9d. in bond. New crop for June-July shipment quoted at 12s. 6d., c.i.f., no business reported. CUMIN.—Spot: Malta, 47s. 6d. duty free; Morocco, 47s. 6d. duty paid, 42s. 6d. in bond. DILL.—Indian, 11 per cent., 18s. 6d. spot. FENNEL.—Indian, 31s., and Persian (Iran), 23s. in bond. FENUGREEK.—Spot: Indian, 12s. 9d. and Morocco, 12s. 6d. duty paid. MUSTARD.—English, 25s. to 33s., according to quality.

**SENEGA.**—The one or two odd bales in re-sellers' hands seem to have been cleared and the spot market is now bare of supplies. New crop, for shipment, June-July, 2s. 5d. to 2s. 6d., and July-August, 2s. 4d. per lb., c.i.f.

**SENNA.**—Inquiry has been quiet this week. Values of all descriptions are quite steady. Tinnevely leaves, good green are becoming scarce, spot quotations as follows: No. 1 at 7d., No. 2 at 4d., No. 3 at 2½d., and No. 4 at 2½d. per lb., ex wharf, London. Tinnevely hand-picked pods: pale selected at 5½d. to 6d., darker quality at 3½d. to 4½d. per lb.; f.a.q. pods quoted at 2d. to 4d. Alexandrian hand-picked pods: supplies of new crop are still reaching this market in only small consignments. Fair to good greenish bold quality at 4s. to 4s. 3d., No. 2 at 3s. 3d., No. 3 at 2s. per lb.; old crop pods offering at 1s. to 1s. 6d. per lb., ex wharf, London.

**SHELLAC.**—The market has been mostly quiet and values show a small loss on the week: spot, standard TN orange, 35s. to 38s.; May, 35s. 9d.; August, 36s. 9d.; October, 37s. 9d.; fine orange, 52s. 6d. to 77s. 6d.; pure button, 45s. to 47s. 6d. per cwt. For arrival, TN, May-June, 34s. 6d., c.i.f.

**SLIPPERY ELM BARK.**—Usual small spot business, with 5-lb. wired bundles, selected quality, about 1s. 5d. per lb., ex store.

**TRAGACANTH.**—Business is reported to have been quiet this week. Values, however, are fully steady: finest selected white ribbon, £60; No. 1, white, £55 to £57 10s.; No. 2, white, £50 to £53; No. 3, white, £35 to £42 10s.; amber leaf, £32; cleaned amber sorts, £16; brown to amber leaf, £11 10s.; red leaf, £9 to £10; hoggy, £6 to £7 per cwt., ex store.

**TURMERIC.**—Madras, finger, on spot sold at 30s.; for shipment, June-July, 26s. 6d., c.i.f., quoted. Rajapore, finger, on spot, quoted at 31s. No business reported; for shipment, June-July, 27s., c.i.f., offered.

**VALERIAN ROOT.**—Rather more inquiry for small spot parcels with dealers quoting about 36s. to 37s. 6d. per cwt., ex store.

**WAXES.**—BEES.—Spot market is very steady on a limited supply and shipment quotations are rather dearer: Dar-es-Salaam, spot, 100s.; shipment, 97s. 6d., c.i.f. Benguella, 90s., in bond; shipment, 85s., c.i.f. Conakry, 90s. in bond; shipment, 85s. 6d., c.i.f. Japanese, spot, 65s., duty paid; shipment, May-June, 56s. 6d. per cwt., c.i.f., for first three brands. Madagascar, f.i.d.e., 92s. 6d., duty paid; shipment, new crop, May-June, 80s., c.i.f. CARNAUBA.—The spot market is firmer; shipment quotations have advanced on short supply: spot, 145s.; afloat, 142s. 6d.; shipment, June-July, 142s. 6d., c.i.f. Chalky, grey, spot, 140s.; shipment, June-July, 135s., c.i.f. Primeira, spot, good quality, 190s.; shipment, June-July, 182s. 6d.; Mediana, spot, 180s.; shipment, 177s. 6d. per cwt.



**Essential and Expressed Oils, etc.**

AFTER a short period of quite good general business the demand for these products has quietened down. Sicilian lemon is quoted dearer for shipment. French Guinea orange tends dearer. Japanese peppermint has been in limited demand this week.

**ANISE (STAR).—**The spot market is dull and shipment offers rather easier again: spot, leads, nominal; tins, 3s. 2d.; drums, 3s. 1d. per lb., ex store; shipment, drums, 2s. 8½d. per lb., c.i.f.

**AVOCADO PEAR.—**Market has been dull: Californian oil is unchanged at 42s. 6d. to 50s. per gallon, as to quantity.

**BAY.—**Quotations unchanged; small spot trade: cases, 4s. to 5s. per lb., as to quantity.

**BERGAMOT.—**The Consortium shipment price for new crop oil is reported to be steady in the region of 15s. per lb., c.i.f., in coppers. Original packages, on spot, about 15s. 3d., and blended oils\* at cheaper prices.

**BOIS DE ROSE.—**Business light; values about steady: Brazilian, spot, drums, from 5s. 9d.; smaller lots, up to 6s. 3d.; shipment, 5s. 6d. per lb., c.i.f., in drums.

**CAJUPUT.—**Only routine spot trade in small parcels: B.P., 1s. 10d. to 2s. 1½d. per lb., as to quantity.

**CAMPOR.—**Values for Japanese and Chinese white oil are nominal on spot, with no bulk supplies available. Small repacked lots would be worth fully 240s. per cwt. No shipment offers.

**CANANGA.—**This product remains in quiet demand: spot, 4s. 3d. to 4s. 6d., according to quantity and packing; shipment, about 4s. 1d. per lb., c.i.f.

**CARAWAY.—**The Dutch oil is fully steady: Dutch rectified, 7s. 6d. to 8s.; crude, 7s. to 7s. 6d. per lb., as to quantity, landed and duty paid. Russian oil, double distilled, is stated to be quoted from 7s. to 7s. 6d., as to quantity.

**CASSIA.—**Market remains quiet: spot, leads from 3s. 3d. and drums at 3s. 2d.

**CASTOR.—**Values well maintained on a firm market: Pharmaceutical, 40s. 6d. per cwt., in barrels, ex store, London. Hull, 2s. per cwt. less. Small quantities packed in cases, 4s. 6d. per cwt. extra.

**CEDARWOOD.—**Not much business of importance moving: African, in drums, 11½d.; smaller packages, up to 1s. 4d. per lb. American, in drums, 11½d.; smaller packages, up to 1s. 4d. per lb.

**CINNAMON LEAF.—**Spot is steady for re-packed oil: Ceylon oil, re-packed in limited quantities, about 2s. 6d. to 2s. 9d. per lb., as to quantity.

Exports from Ceylon during January-February, 1939, totalled 325,000 oz., valued at Rupees 49,500, compared with 328,000 oz., valued at Rupees 53,200, in the corresponding period of 1938.

**CITRONELLA.—**Interest in Ceylon oil for shipment has been small, with values about unchanged; Java product is dull: Ceylon, spot, drums, from 1s. 7½d.; smaller parcels, up to 1s. 11d.; shipment, drums, 1s. 3½d. per lb., c.i.f., for bulk quantities. Java, spot, drums, about 1s. 7½d.; smaller parcels, up to 2s.; shipment, drums, about 1s. 1½d. per lb., c.i.f.

Exports from Ceylon during January-February, 1939, totalled 229,000 lb., valued at Rupees 175,000, compared with 268,000 lb., valued at Rupees 207,000 in the corresponding period of 1938.

**CLOVE.—**Fair amount of business moving in limited quantities; quotations for English oil vary to some extent: Madagascar, spot, drums, 2s. 7d. per lb., if available; smaller parcels, up to 3s. 3d. English distilled, 4s. 3d. up to 4s. 9d. per lb., as to quality and quantity, ex store.

**EUCALYPTUS.—**This product continues firm, spot and forward, at the recent advances; there are only a few offers for shipment at distant positions: Australian, 70 to 75 per cent., tins, 1s. 6½d.; drums, 1s. 5½d.; 80 to 85 per cent., tins, 1s. 8½d. per lb., ex store, with higher prices for small lots; shipment, 70 to 75 per cent., tins, 1s. 5½d.; drums, 1s. 5d.; 80 to 85 per cent., tins, 1s. 7½d.; drums, 1s. 6½d. per lb., c.i.f.

**GERANIUM.—**The recent cheaper offers of Bourbon for shipment are reported to have attracted a few orders. The spot market remains rather slow and quotations vary on quality of the oil: Bourbon, spot, 10s. 3d. to 10s. 6d.; shipment, about 9s. 6d., c.i.f. Algerian, spot, 11s. to 11s. 6d.; shipment, 10s. 4½d. to 10s. 6d. per lb., c.i.f.

**GRAPE-FRUIT.—**Fair business in smallish quantities continues: Californian, 10s. 3d. to 11s. 6d.; Florida, 11s. to 12s. 3d. per lb., ex store, as to quantity.

**HO (SHIU).—**Spot prices are more or less nominal owing to lack of supplies, with "improved" at about 5s. 6d. to 5s. 9d., and "extra" at 5s. 10½d. to 6s. per lb. for small parcels. No trace of any shipment offers this week.

**LEMON.—**Shipment quotations to hand this week from the source for Sicilian hand-pressed oil run from 10s. 6d. to 10s. 9d., with one or two at 10s. 10½d., c.i.f., for B.P. quality. No offers this week of selected parcels of hand-pressed oil. A fair amount of business is reported to have been done prior to the advance now shown. Shippers report the market is firm, but give no specific reason for the higher prices now asked. It may, of course, be possible there are one or two "shorts," in which cases prices may in due course move back a little. Californian oil, distilled, regular quality, is quoted unchanged at 1 dollar 20 cents per lb., landed, in small drums.

**LEMONGRASS.—**A further small decline in shipment quotations is recorded, business quiet: spot, 1s. 8d. to 2s., as to quantity; shipment, about 1s. 5½d. per lb., c.i.f., with distant positions indicated at a premium.

**LIME.—**Quite a good business in bulk quantities and in small parcels is recorded in the West Indian distilled oil, and the tone is very much better, with values showing a good recovery: spot, from 13s. 4½d. up to 14s. 3d. per lb., as to quantity, tending dearer.

**LINSEED.—**Remains quiet, with values about unchanged: raw, naked, spot, in small quantities, 27s. 4½d. per cwt.; June, in bulk, 24s. 9d. Boiled oil, spot, 30s. per cwt.

**MANDARIN.—**More business in this product and quotations for good quality oils tend rather dearer: 14s. 3d. to 15s. 6d. per lb., as to quality and quantity; shipment, 13s. 10½d. c.i.f.

**NEROLI.—**Reports from Grasse this week state, despite the inclement weather, the yield of oil has been rather better than anticipated. No definite quotations received from distillers, but 5,000 to 5,500 francs per kilogram indicated.

**NUTMEG.—**Usual small spot trade: Dutch and American, from 5s. 4½d. to 5s. 9d. per lb., as to quantity.

**OLIVE.—**Values are steady, with quite a nice business reported: B.P., 1 per cent., 6s. per gallon, in drums. Edible quality, ten 1-gallon tins, in cases, 82s.; twenty ½-gallon tins, in cases, 84s. per case; drums, 6s. 3d. per gallon, ex store. French crop reported to be below normal this season.

**ORANGE.—**The seasonable weather has induced a better inquiry for spot supplies of French Guinea oil, and good quality new crop is now very steady, with drums from 2s. 9d. and oil re-packed in tins about 3s. to 3s. 4d. per lb. Some drums of old oil may be available at slightly cheaper figures. There appear to be very few shipment offers, and these are only for distant positions, with nothing under 2s. 4d. per lb., c.i.f., in drums. Californian, small drums, 50 cents; two or more cases, 61 cents per lb., ex store. Florida, cold-pressed, is quoted cheaply at 70 cents per lb., in drums, c.i.f. London.

**PALMAROSA.—**Business continues on a small scale: spot, about 8s. per lb. for bulk quantities; shipment is at about 7s. 4½d. per lb., c.i.f. Java oil is available at about 4s. 3d. per lb., ex store.

**PATCHOULI.—**Singapore oil on spot is restricted in supply and firmly held, with no trace of any shipment offers from the source; there may be one or two from the Continent. Singapore, spot, 11s. 3d. to 11s. 6d.; shipment, nothing definite offered. Seychelles, spot, from 8s. 6d. to 8s. 10½d. Java, about 9s. 3d. per lb., with no shipment offers.

**PEPPERMINT.—**The Japanese product has had a quiet week, but the market is keeping about steady. Spot, about 4s. 6d. No afloat parcels offering. Japanese shippers quoting May-June and June-July at 4s. 2d., c.i.f., and have refused bids of 4s. Re-sellers at 4s. 1½d. Chinese oil, spot, 4s. 4½d., and shipment, July-August only, at 4s. 4½d. per lb., c.i.f. American natural oil, in drums, remains quiet, and quotations indicate a slightly easier market; quoted at 2 dollars 15 cents to 2 dollars 25 cents per lb., c.i.f., with high-grade oil limited in quantity.

**PETITGRAIN.—**Some offers of cases are rather keen: spot, in cases, 3s. 3d. per lb.; shipment, about 3s. per lb., c.i.f., as to quantity. French, to come forward, quoted from source at 935 francs per kilogram.

**ROSEMARY.—**Fair business continues to be recorded, mostly in the African product. Spanish quoted at 3s. to 3s. 6d. per lb., as to quality and quantity. Tunis, 2s. 6d. to 2s. 8d. per lb., landed, as to quantity.

**SANDALWOOD.—**Genuine East Indian Mysore, in one-case lots, steady at 20s. 6d. per lb. East Indian, produced outside the province of Mysore, 17s. to 18s. per lb., c.i.f., in bulk quantities. English-made West Indian, 7s. 3d. per lb. Australian, steady at 15s. 3d. per lb. for 7-lb. tins, one case at 14s. 9d. and five cases at 14s. 6d. per lb.

**SASSAFRAS.—**A few inquiries for smallish quantities: genuine natural oil of fine quality offered at 4s. to 4s. 3d. per lb., as to quantity. Other grades at cheaper prices.

**SPEARMINT.—**Dealers quoting high quality oils seem to be missing the business. U.S.P. oil, spot, about 9s. 1½d.; shipment, 8s. per lb., c.i.f.

**SPIKE.—**This market remains quiet, but prices for genuine oils are steady: genuine Spanish oil is steady from 5s. to 5s. 6d. per lb., ex store. Blended oils at cheaper figures.

**TI-TREE.—**Spot values well maintained: spot, from 55s. to 57s. 6d. per gallon, ex store; very few shipment offers.

**TURPENTINE (AMERICAN).—**London stocks on May 20 totalled 17,214 barrels: spot, London, 33s. 6d.; Hull, 35s.; Liverpool, 35s. 6d. per cwt. Quiet and quoted slightly easier.

**VETIVERT.—**Dealers report having done a fair trade with prices maintained: Bourbon, spot, 14s. 9d. to 15s. 3d.; Java, about 13s. per lb., ex store.

**WORMSEED.—**A limited business moving, with some quotations at keen prices: U.S.P. oil, spot, about 9s. 9d.; shipment, 9s. 6d. per lb., c.i.f.



# Canadian Pharmaceutical Production

PRODUCTION by the manufacturers in Canada which were engaged chiefly in making proprietary medicines, pharmaceuticals and similar products was valued at \$24,814,647 at factory prices in 1937, compared with \$22,251,550 in 1936 and \$21,292,751 in 1935, according to the Dominion Bureau of Statistics.

Of the 174 factories in this group in 1937, ninety-two were located in Ontario, sixty-six in Quebec, seven in Manitoba, three in British Columbia, two in Saskatchewan, one in Nova Scotia, two in Alberta and one in New Brunswick. The capital employed in manufacturing was reported at \$22,780,119, of which \$7,793,759 was the value of land, buildings and equipment, \$7,154,329 was the value of inventories and \$7,832,031 was cash and other operating capital. The average number of employees in 1937 was 4,296, compared with 3,857 in the previous year, and payments in salaries and wages totalled \$5,311,120, as against \$4,797,458 in 1936. Plants in Ontario produced 61 per cent. of the Canadian output and concerns in Quebec accounted for 32.7 per cent.

The concerns in this industry made medicinals and pharmaceuticals as their main products, but they also manufacture other lines, such as toilet preparations, as a secondary part of their business. On the other hand, some companies which have been classified in other industrial groups made some medicinal preparations as minor products. The total Canadian output of medicinals, pharmaceuticals and biologicals from all industries amounted in value to \$17,547,432 in 1937, compared with \$16,223,419 in 1936 and \$15,360,980 in 1935.

The output of plants listing their main products as medicinals and pharmaceuticals, but some of which also produce

toilet goods, was as follows during the years 1936 and 1937:—

Class of Product	Value at the works	
	1936	1937
Medicines and pharmaceuticals:—		
Standard (pharmacopoeial or defined in other standard works) ... ..	\$ 2,964,635	\$ 3,061,554
Specialties registered as patent medicines ... ..	4,791,474	5,886,134
Specialties sold with ingredients declared ... ..	7,252,709	7,622,351
Biological preparations (vaccines, serums, etc.) ... ..	668,034	527,418
Disinfectants ... ..	43,403	58,732
Insecticides ... ..	167,018	200,698
Flavouring extracts ... ..	295,819	380,410
Toilet preparations:—		
Alcoholic—not less than 5 per cent. alcohol:—		
Perfumes ... ..	78,148	84,392
Toilet waters and lotions, other ... ..	149,596	233,447
Cologne water, Florida water, Bay rum and all toilet waters or lotions sold to hairdressers ... ..	32,083	38,562
Non-alcoholic:—		
Creams, solid and liquid, of all kinds ... ..	272,319	219,924
Brilliantine ... ..	27,018	31,539
Face powders ... ..	163,702	157,943
Talcum powders ... ..	223,761	199,527
Bath salts ... ..	18,812	10,285
Compacts (powders and rouges) ... ..	—	7,520
Lotions and toilet waters ... ..	10,023	14,237
Tooth pastes and powders ... ..	363,701	357,705
All other toilet preparations ... ..	315,783	412,713
All other products* ... ..	4,412,462	5,309,536
Total ... ..	22,251,550	24,814,647

\* Includes absorbent gauze, sanitary towels, confectionery, packaged goods, dental supplies, surgical handgags, protective dressings and other such articles.

## Commercial Notes

**Peru Cochineal Exports.**—Shipments from Peru in the period January–October, 1938, totalled 46 tons, compared with 41 tons in the full year 1936 and 60 tons in 1937.

**British India Cinchona Production.**—The Bengal harvest in 1938 of cinchona bark amounted to 1,496,759 lb., compared with 1,452,311 lb. in 1937. The Government quinine factory treated 1,236,996 lb. of bark during 1938.

**British Saccharin Trade.**—Customs and Excise returns recently published show that the amount of saccharin of British manufacture released during the first quarter of this year was 449,630 oz., of which 258,256 oz. were retained, duty-paid, for use and consumption in the U.K. and 191,374 oz. exported, or deposited in warehouse, on drawback, and exported, free of duty. The figures show very little change as regards home consumption from those representing the position during the first quarters of 1938 and 1937, but when compared with the first quarter of 1937 they show a marked reduction in the quantity of British-made saccharin (432,685 oz. in January–March, 1937) exported, or deposited in warehouse, on drawback, and exported free of duty.

**U.S.A. Musk Imports.**—Arrivals with countries of shipment, of grain and pods, during 1937 and 1938, were as follows:—

Country of shipment	1937		1938	
	lb.	\$	lb.	\$
Germany ... ..	—	55	—	5,580
France ... ..	41	6,496	29	3,525
United Kingdom ... ..	9	2,549	13	165
British India ... ..	2	278	1	25,666
China ... ..	284	44,106	225	4,823
Hong Kong ... ..	3	59	56	—
Total ... ..	439	53,543	324	40,049

**Empire Trade.**—The Board of Trade has recently published returns for the period January–March, 1939, with comparative figures for the corresponding months of 1938 and 1937, showing the values of our imports from and exports to Empire countries of all classes of merchandise. The total value of our Empire imports from all sources during the first quarter of 1939, amounted to £87,931,023 (£94,262,952 in 1938 and £92,058,246 in 1937), while our exports to all Empire markets was £55,878,100 for the three-months period of 1939, £60,828,381 in 1938, and £57,221,944 in 1937. Our re-exports of foreign goods for the first quarter of 1939 was £2,603,520; 1938, £2,855,339; and 1937, £2,623,723.

The debit balances against the United Kingdom for January–March,

1939, was £29,459,403, compared with £30,579,232 in the corresponding months of 1938 and £32,212,579 in the first three months of 1937. Details of our trade with the leading Empire countries were as follows:—

Country	January–March			
		1937	1938	1939
Eire ... ..	Imports ...	£ 4,384,002	£ 4,161,185	£ 5,326,608
	Exports ...	5,352,666	5,056,695	5,385,630
	Re-exports ...	1,094,687	1,388,959	1,323,055
Union of South Africa (excluding South-west Africa Territory) ... ..	Imports ...	3,235,411	4,174,401	3,957,067
	Exports ...	9,888,605	10,413,095	9,747,411
	Re-exports ...	144,928	135,584	152,126
Kenya ... ..	Imports ...	730,624	685,170	800,986
	Exports ...	599,972	767,261	706,236
	Re-exports ...	13,324	12,727	12,842
Mauritius and Dependencies ... ..	Imports ...	1,013,417	1,364,734	1,263,353
	Exports ...	149,377	169,252	166,951
	Re-exports ...	1,597	1,837	1,792
British India ... ..	Imports ...	13,493,356	11,576,386	11,618,661
	Exports ...	8,626,318	9,146,075	8,571,323
	Re-exports ...	129,869	30,595	132,714
British Malaya — Straits Settlements and Dependencies (including Lahuau) ... ..	Imports ...	1,098,015	2,108,986	1,058,224
	Exports ...	1,908,079	2,164,437	1,686,440
	Re-exports ...	25,303	30,103	24,706
Federated Malay States ... ..	Imports ...	572,526	1,466,957	796,409
	Exports ...	562,598	816,981	786,709
	Re-exports ...	7,601	10,611	9,968
Ceylon and Dependencies ... ..	Imports ...	2,182,201	2,878,686	2,477,655
	Exports ...	928,808	1,010,745	927,522
	Re-exports ...	22,159	18,065	28,132
Australia ... ..	Imports ...	18,029,347	19,948,437	18,255,953
	Exports ...	7,925,764	10,376,941	7,937,809
	Re-exports ...	161,729	205,879	176,293
New Zealand ... ..	Imports ...	11,561,242	13,037,732	11,897,912
	Exports ...	4,862,875	4,911,412	4,634,314
	Re-exports ...	75,414	73,622	42,821
Canada ... ..	Imports ...	18,343,354	19,201,716	17,124,289
	Exports ...	5,322,990	5,315,003	4,710,922
	Re-exports ...	355,842	325,597	213,840
Newfoundland and Coast of Labrador ... ..	Imports ...	252,164	306,351	189,795
	Exports ...	174,875	206,360	277,345
	Re-exports ...	11,567	10,604	11,549
Jamaica and Dependencies ... ..	Imports ...	904,207	798,031	843,215
	Exports ...	440,634	460,859	450,842
	Re-exports ...	9,037	8,133	8,531
Trinidad and Tobago ... ..	Imports ...	969,399	661,294	1,295,830
	Exports ...	523,954	592,702	599,288
	Re-exports ...	16,156	16,105	17,608



# Correspondence

Correspondents may adopt an assumed name, but must in all cases furnish their real name and address to the Editor

## Labelling Chemists' Friends Preparations

SIR,—Why not have attached to the container of every C.F. preparation a statement such as: "This preparation is approved by the Chemists' Associations"—or, by the "Chemists' Friends Association"?—Yours faithfully,  
M. CONWAY.

Manchester.

## Pharmaceutical Council Election

SIR,—Please allow me space in your columns to thank all those members of the Pharmaceutical Society who supported me at the recent Council election. It will be my constant endeavour to justify this further expression of confidence.

Yours faithfully,

W. S. HOWELLS.

Richmond.

SIR,—I wish to thank the electors for giving me such handsome support to enable me once again to take my place at the Council table. The interests of my fellow pharmacists now as in the past will have my best efforts for their advancement.—Yours faithfully,

Arbroath.

JAMES JACK.

SIR,—May I be permitted to say "Thank you" to all those who gave me their practical support at the recent election—as a Council we have a strenuous and critical year ahead and shall need the support and loyalty of every member of the Society.—Yours faithfully,

Bridgwater.

WALTER DEACON.

SIR,—The officers and members of the North Staffordshire Branch of the Pharmaceutical Society wish to thank the pharmacists throughout the country who worked and voted to secure the election of Mr. Henry Clement Shaw to the Council of the Society.—Yours faithfully,

R. A. HACKNEY, Secretary.

Stoke-on-Trent.

SIR,—I shall be glad if you will allow me, through the medium of your valuable publication, to thank all those Branches and members of the Society whose work has so materially assisted in my re-election and all those who voted for me. I deeply appreciate this vote of renewed confidence in my work.—Yours faithfully,

J. F. MCNEAL.

Amersham.

SIR,—I wish to thank all my supporters at the recent Council election for their assistance in endeavouring to get me on the Council. Their help has been greatly appreciated, and I trust that at some future date, with their continued support, I shall be successful, when their interests in pharmacy will be my interests also.—Yours faithfully,

C. W. HOBSON.

Sheffield.

SIR,—May I claim the kind hospitality of your columns to express my thanks to the 4,964 voters who registered their votes in my favour and so secured my election to the Council. May I also be allowed to offer the sincerest appreciation to the many pharmacists in various parts of the country who have worked on my behalf in this and the two previous elections.

Yours faithfully,

F. C. WILSON.

Bradford.

SIR,—May I claim a little of your valuable space to thank the 5,713 members who placed their confidence in myself at the Council election. As an independent candidate, this result was due to the many friends who worked so hard canvassing throughout the country. The happiest feature of a councillor's life is the friendship displayed by those he has come into contact with during his term of office, and this is truly shown at election time.—Yours faithfully,

H. M. HIRST.

Scarborough.

## Aldermanic Rank for Veterans

SIR,—Not one of us, whatever our views, personal or pharmaceutical-political, may be, can witness the rejection at the polls of such a veteran as Mr. E. T. Neathercoat without regret—though no doubt the basis of that regret will not be invariably the same for all of us. Even the successful candidates must find some slight admixture of disapproval in their own personal jubilation. They arrange these things better on municipal corporations. After ten or twelve years' service, especially if it is uninterrupted, a councillor stands a good chance of becoming an alderman, and he is then relieved from the worries and anxieties of a popular election for the remainder of his public career—if he continues to "behave himself." When one such as Mr. Neathercoat (who was certainly *persona grata* with the pharmaceutical electorate for many years) is rejected after such long service, it must occur to us all that there is a flaw in the constitution governing the formation of the Council and that something akin to aldermanic rank should be open to councillors of long standing—or say to all past-presidents. At present the only available remedy is co-optation, and this is a somewhat ignominious device, savouring too much of charity and patronage. There should be some sort of *emeritus* rank as a reward for long service and high office. No past-president should be expected to go to the polls for ever and ever.—Yours faithfully,

R. CECIL OWEN.

Chester.

## Mr. Neathercoat's Defeat

SIR,—That I now appear on the battlefield of pharmaceutical agitation is due to the fact that all the . . . eloquence of Mr. S. C. Blore's recent remarks leaves me far from satisfied (*C. & D.*, May 20, p. 563). His mannerism of magnifying a single remark of Mr. F. Noble until to him it is the all-important issue at stake, is both ridiculous and uncalled for. It seems that his attitude is more "anti-Neathercoat" than "pro-pharmacy" . . . and suggests, as the only solution, the unilateral abandonment of men of personality, leadership and enterprise, for others whose interests are bound by the four walls of a pharmacy. Could imagination fly further from actual facts? To all far-seeing pharmacists the very objectionableness of these remarks forces upon us the importance of achieving understanding within ourselves. Upon us falls the task of using every power of reason and persuasion to reveal the . . . impractical nature of the policy manufactured by the "anti-Neathercoats." Such remarks are surely calculated to maintain and intensify that feeling of difference, rivalry and unjust discrimination which cannot fail to perpetuate hostility amongst pharmacists themselves. It is so difficult to believe that a man so vigilant in the interests of the reputation of the Pharmaceutical Society, who has given thirty years of unstinted and unflinching service to pharmacy, . . . should have been treated in such a manner. That one who has honestly fulfilled his pledges . . . should have been thus condemned to become a permanent outcast leaves me completely bewildered. No amount of ingenious argument, of skilful dialectic, no smooth phrases and protestations of good intentions or pleas of extenuating circumstances, can remove this damning blot of pharmaceutical history as recorded last Wednesday, May 17, 1939, resulting in the removal of Mr. E. T. Neathercoat from the Council.—Yours faithfully,

HARRIS SHERLING.

London, N.1.

## Budget Ramp

SIR,—In any alteration in trade conditions it seems to be the rule that, whoever gains anything, the retail chemist invariably stands to lose. The latest example of this is in the tax on films. There may be something to be said for the manufacturers' view that the tax has to be paid at the time of manufacture, and therefore a considerable amount of capital is locked up, but the retailer has to lay in a stock which may not be sold for some time, especially the odd sizes, and the



capital involved is just as important to him, though smaller in amount. At first sight there is also something to be said for the argument that the cash profit per spool remains the same—indeed, one wonders it was not claimed to be a trifle more, for 30 per cent. on 1s. comes to 3.6 pence, whilst 25 per cent. on 1s. 3d. is 3.75 pence—but when we consider that 30 per cent. on 1s. 3d. realises 4.5 pence, we see that on every one and threepenny sale the retailer receives three-farthings less profit on the new scale than on the old one. Moreover, to judge from previous experience of price increases, the demand will probably drop, with a corresponding loss in takings for process work.—Yours faithfully,

PELLICULE (13/5).

SIR,—I have read with interest the letters under this heading, from Mr. Gordon Lock and from Kodak, Ltd. I note that Messrs. Kodak correct a small mistake in the previous letter but do not work out the calculation again. Why? Are they frightened of the answer? Here is another small calculation for the manufacturers to explain away. 35-mm. film in 36-exposure cartridges and refills has been increased by 6d. This film is 5 ft. 7 in. long [According to our measurement the film is 5 ft. 3 in. long, including a 4-in. tapered end.—EDITOR], and less than 1½ in. wide, which gives us an area near enough to 92 sq. in.—correct me, Mr. Blake, if I am wrong. This is making no deduction for the tapered ends and the perforations—on which I feel certain the manufacturers would consider themselves entitled to a rebate, so, Mr. Blake, if you can show

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me how  $\frac{92}{144} \times 4\frac{1}{2}d. = 6d.$ , then I will go back to school.

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Also my discount of 30 per cent. on 3s. 6d. was 12.6d., and now you give me 25 per cent. on 4s., which amounts to 12.0d. There is something far wrong here with the mathematics of Mr. Blake and his friends. However, perhaps the photographic manufacturers, who at the moment seem to be doing us a bad turn, are going to prove in the end better friends than we expect. Logic might lead to this conclusion if we carry on with the budget on exactly the same lines. Dr. Blanks' pills at present retail at 1s. 3d. and cost me 11s. 6d. per doz. After September 1 there will be no 3d. duty, so the retail price will be reduced (presumably) to 1s. and, in the words of the Kodak circular of April 29, "so that my profit will remain substantially unchanged" the new wholesale price ought to be 8s. 6d. per doz. I think it is up to Mr. Mallinson and his confrères to push this argument fully, and he ought to have the support of the Chancellor and the Government in this.

Yours faithfully,

A. LAIRD PARKER.

Oban.

SIR,—If Mr. Blake of Kodak, Ltd., thinks his letter in the *C. & D.*, May 20, p. 563, is an answer to the letter of Mr. Gordon Lock, it is a very lame one. Assuming the tax is 4½d. (instead of 4d. as worked out by Mr. Lock), then the manufacturers are still getting an additional 7s. per gross on No. 120 ortho films. . . . Perhaps Mr. Blake or someone in the manufacturers' ring will give in detail to the nearest penny how the tax works out.—Yours truly,

DISGUSTED DEALER (23/5).

### The Amendment Loophole

SIR,—The annual report of the Council of the Pharmaceutical Society (*C. & D.*, May 13, p. 520) mentions the request made by the co-operative societies to the Home Office, through their representative, for an amendment to Sections 8, 9 and 10 of the Pharmacy and Poisons Act, 1933. We are told that "representatives of the Society and of the co-operative societies were asked to refer to their organisations a draft amendment prepared by the Home Office." Retail chemists will await with interest and some anxiety the particulars of this amendment. If there were sufficient grounds for inserting these Sections in the Act, then their provisions should be applicable to all carrying on business as pharmacists, whether individuals or corporate bodies. What should be guarded against is the acceptance of some amendment which, whilst not apparently altering the meaning of the present clauses, yet affords a loophole by means of which co-operative stores will be able to sell drugs under conditions forbidden to registered pharmacists.

Yours faithfully,

ADAMANT.

## Miscellaneous Inquiries

We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them

W. M. (10/5).—DESTRUCTION OF FIELD MICE.—The following are taken from "Pharmaceutical Formulas," Vol. II, and will probably be suitable:—

I			
Barium carbonate .. .. .	4 oz.		
Biscuit or oatmeal .. .. .	4 oz.		
Oil of anise .. .. .	5 drops		

Mix with fat to a paste and lay out in pieces the size of a hazel nut in places frequented by the mice.

II			
Red squill powder .. .. .	1 part		
Fine oatmeal .. .. .	2½ parts		
Dripping .. .. .	1½ parts		

Melt the fat and mix it thoroughly with the dry ingredients to form a thick paste.

T. G. S. (15/5).—HALITOSIS.—We think that you will find the following formula satisfactory for your particular purpose:—

Sodium perborate .. .. .	5iv.
Sodium oleate (neutral) .. .. .	5iv.
Saccharin .. .. .	gr. 3
Oil of orange .. .. .	℥v.
Oil of wintergreen .. .. .	℥xx.
Oil of peppermint .. .. .	℥x.
Oil of rose .. .. .	℥ij.

A teaspoonful to a glass of warm water to be used as a mouth-wash.

H. B. (24/5).—PETROLEUM INSECT SPRAY.—The following are taken from "Pharmaceutical Formulas," Vol. II:—

I			
Insect powder .. .. .	8 oz.		
Kerosene .. .. .	1 gall.		

Macerate for forty-eight hours, strain and add:—

Naphthalene .. .. .	1 oz.
---------------------	-------

II			
Insect powder .. .. .	8 oz.		
Kerosene .. .. .	1 gall.		

Macerate for forty-eight hours, strain and add:—

Methyl salicylate,	
Eucalyptus oil, or	
Safrol .. .. .	1 oz.

An alternative method is to mix one part of extract of pyrethrum with 64 parts of petroleum distillate having a boiling range of about 190°–270° C., and to perfume as required.

## Retrospect of Fifty Years Ago

Reprinted from  
"The Chemist and Druggist," May 25, 1889

### Carbolic Acid as a Disinfectant

We have now entered the season of the year during which disinfectants are most used, and in consequence we may expect a rich crop of cases of accidental poisoning arising from the common use of carbolic acid. As a deodorant and disinfectant that body still holds its place in popular favour—a fact which the Privy Council advisers appear to regard as of no little importance in reference to the scheduling of the acid as a poison. Some indication of this was given by the president of the Pharmaceutical Society last week, when he said that the reason of the Privy Council not making carbolic acid a statutory poison is "that the advisers of the department are of opinion that, having regard to the value of the acid for disinfecting purposes, since it is of the greatest consequence both with regard to fevers which attack human beings and various classes of fevers and infectious diseases which attack cattle, it is undesirable to place a restriction of that kind on the sale of carbolic acid; that, dangerous as it is undoubtedly, the balance of convenience is regarded by these advisers as being in favour of leaving it alone." We have no reason to doubt the correctness of this statement, but we cannot understand the logic of the position which the Privy Council has taken up.



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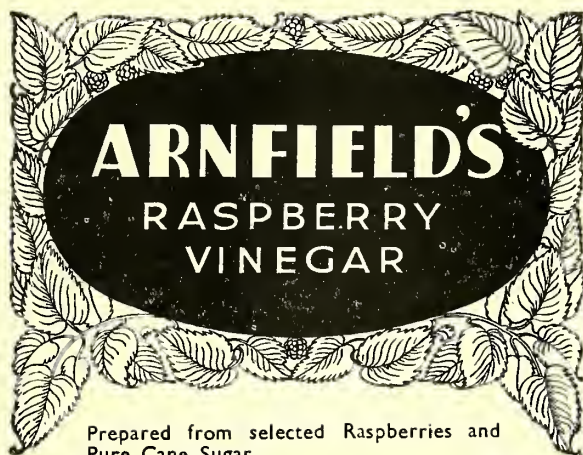
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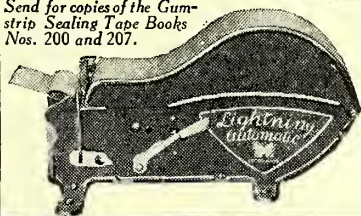
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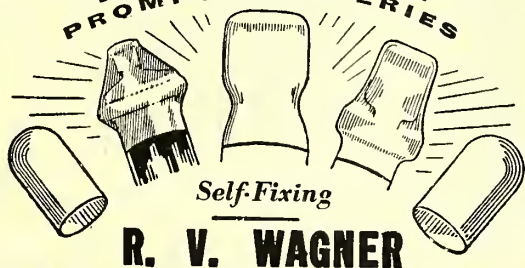
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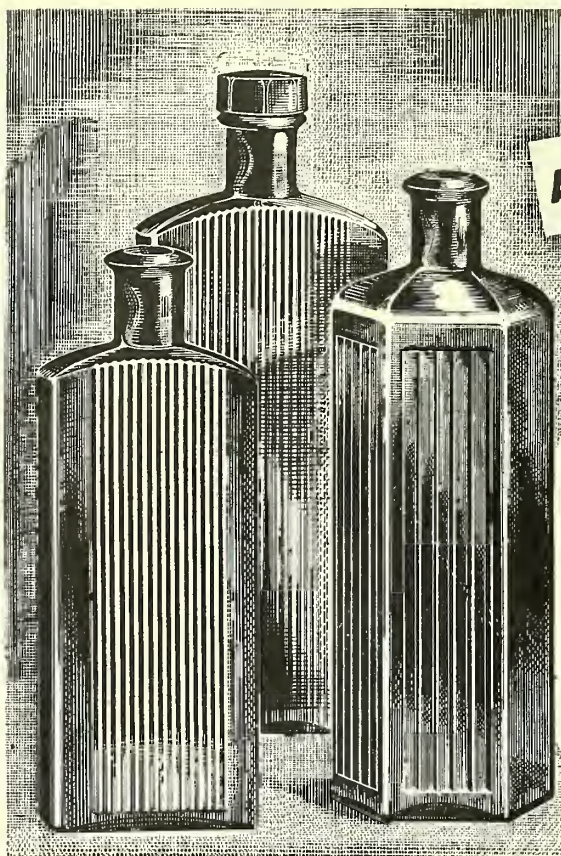
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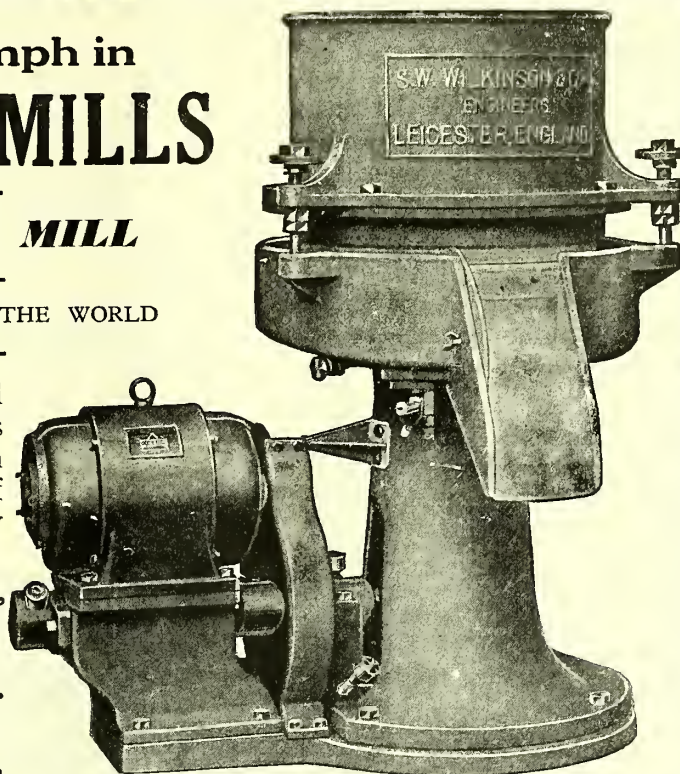
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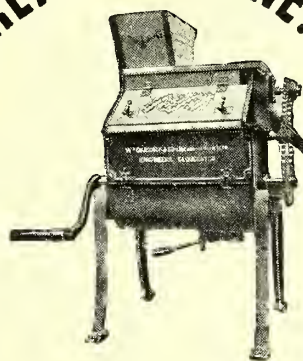
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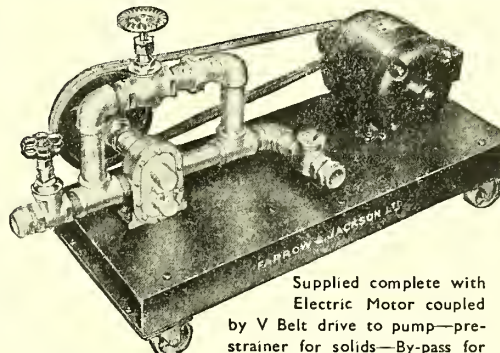
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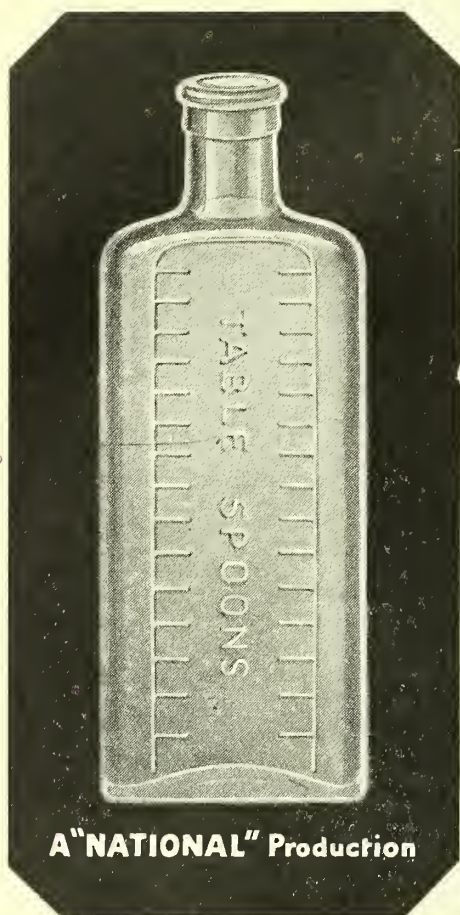
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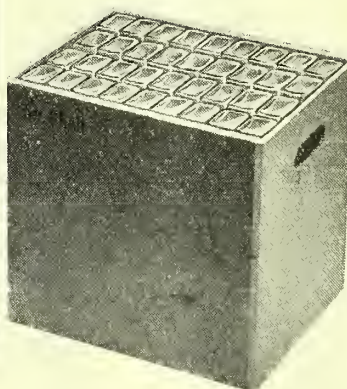
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# The CHEMIST AND DRUGGIST SUPPLEMENT

This Supplement is inserted in every copy of The Chemist & Druggist

28 ESSEX STREET, LONDON, W.C. 2

MAY 27,  
1939

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5.—**STOKE NEWINGTON**.—Main-road General Retail Cash Business; run under management; turnover exceeds £2,500 per annum; rent £200 per annum; sublet £78 per annum; long lease; price required for the lease and goodwill £550 plus the stock and fixtures at valuation, or alternatively a lump sum offer of £1,450 will be accepted.

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7.—**SURBITON**.—Good-class Business in residential area; increasing turnover, last year being £1,151; modern living accommodation; total purchase price £525, or valuation terms considered.

8.—**ST. ALBANS (DEATH VACANCY)**.—Middle-class Country Retail Business offering considerable scope; no Panel; stable turnover approaches £1,300 per annum; nice living accommodation; premises can be purchased or leased at £80 per annum; total purchase price required for business £700 or valuation terms considered.

9.—**SOUTH COAST**.—Wholesale Toilet and Manufacturing Business for disposal; turnover about £5,000 per annum; stock worth £600-£700; Chartered Accountant's figures; warehouse, Traveller; price required £750, plus stock at valuation; further particulars upon application.

10.—**MAIDENHEAD (NEAR)**.—Middle-class Family Retail Business; takings this year should be about £1,600 or more; modern living accommodation; reasonable rental; inclusive purchase price asked £750.

11.—**KENT COAST**.—Good-class Business with exceptionally nice living accommodation over; turnover nearly £1,500 per annum; rent only £80 per annum; stock and fixtures worth a figure in the neighbourhood of £1,100; total purchase price £1,250; Arden Agency.

12.—**LEEDS**.—Two Businesses for sale for value of stock and fixtures only, respectively, approximately £700 and £500; turnovers both exceed £1,300 per annum; gross profits 36 per cent.; living accommodation, in

one instance; excellent possibilities; early sale desired; full particulars upon application; businesses can be bought together or separately.

13.—**BRIGHTON**.—Good and Middle-class Cash Retail Business; increasing turnover; last financial year over £1,750; modern living accommodation; reasonable rental; genuine reason for sale; inclusive purchase price required £1,000.

14.—**CORNISH COAST**.—Middle-class Business for disposal; turnover exceeds £2,000 per annum; new lease at reasonable rental; inclusive purchase price about £1,500 or near offer; scope.

15.—**SHROPSHIRE**.—Old-established Retail Business; increasing turnover about £7,000 per annum; reasonable rental; valuable sublet; heavy stock; inclusive purchase price required approximately £4,000.

16.—**SUNDERLAND**.—Branch Business for disposal; takings about £22 per week, and Panel, under management; very reasonable rent; stock and fixtures worth about £650; total inclusive purchase price £575.

17.—**DEAL (NEAR)**.—Middle-class Business; turnover last year £1,144; good profits; stock alone worth £500; nice living accommodation; rent £65; total purchase price asked £650.

18.—**NORTH WALES**.—Family Retail Business in present hands 14 years; turnover last year £1,540; premises occupy important position; attractive fixtures; good living accommodation; new lease; purchase price of business about £800; premises can be purchased; early sale desired.

19.—**NORTH DEVON**.—Light Retail Business; takings over £900 per annum; net profit £241; long lease at £70 per annum; purchase price asked £475, which includes stock £300.

20.—**COLCHESTER**.—Old-established Middle-class Retail Business taking over £1,100 per annum; net profit nearly £7 per week; lock-up shop; low rental; new lease; total purchase price required £625.

21.—**HOME COUNTY**.—Country Retail Business; net profit this year about £700; good, clean stock; rent only £35 per annum, rising to £40 per annum; inclusive purchase price required about £1,100.

22.—**NORTHERN IRELAND**.—General Retail Business with Optical connexion; Vendor going in for Medicine; turnover approximately £2,200 per annum; net profit approaches £500 per annum; price required, value of the fixtures, fittings, stock, etc., only; long lease at £130 per annum.

23.—**PORTSMOUTH (DEATH VACANCY)**.—General Retail Business; working-class; takings last year approximately £1,700; gross profit £622; premises can be purchased or leased at £1 per week inclusive; total purchase price to include property £2,000, or without property about £1,250.

24.—**GRAVESEND**.—Middle- and Working-class Cash Retail Business; turnover nearly £1,900 per annum; net profit £480-£500 per annum; stock and fixtures estimated to be worth about £900; total purchase price £1,050, or £150 plus stock and fixtures at valuation; premises can be purchased or leased; living accommodation.

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(C4) **KENSINGTON (NEAR).**—Old-established business situated in good-class residential area; turnover for half-year ended February last £1,168; net profit for year should approximate £600; net rent and rates little more than £1 weekly; excellent scope; price all-at £1,850, or reasonably near offer.

(C5) **BIRMINGHAM.**—Old-established family cash business with no near opposition, for sale owing to retirement; turnover for last financial year £2,148; gross profit £731; price, including leasehold property, £1,350; open to offer.

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(C7) **BOURNEMOUTH.**—Established business with no near opposition; increasing turnover, which for the year ended March last amounted to £2,350; freehold can be purchased, or a lease will be granted at a reasonable rental; owner retiring; all-in price asked £1,600.

(C8) **LEYTON (NEAR).**—Attractively-fitted pharmacy with excellent living accommodation, occupying main-road position; turnover upwards of £2,300 per annum and steadily increasing; rent £175; genuine reason for selling; price for quick sale £1,200, being less than estimated value of stock and fixtures; early application advised.

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**FOR GENTLEMEN,** Polygon Road, N.W.1. Close to King's Cross and Euston. 300 Bedrooms, 15s. to 22s. 6d. per week, including bath, attendance and boot cleaning. All meals à la carte in dining room. Moderate tariff. Large Club Rooms, Library, Billiards Room, Reading Room and Study for Students. Illustrated Prospectus from Secretary. Euston 2244/5.

## AGENCIES

**JAPAN.**—A firm manufacturing a Pharmaceutical Preparation of special value in rice consuming countries requires contact with a reliable resident Agent or Exporter with sound Pharmaceutical connexion. 349/739, Office of this Paper.

**REQUIRED.** Agency Lines for Sole Distributor, London area. 2/70, Office of this Paper.

**WANTED.**—Old-established firm of Manufacturing Chemists requires General Agent for South Africa, having connexions with Pharmaceutical and Perfumery Preparations Manufacturers, Manufacturing Chemists, Food and Confectionery Manufacturers. Write 348/722, Office of this Paper.

## COMPANY FORMATION

### COMPANY FORMATION

**CHEMISTS** requiring expert advice in connexion with **COMPANY FORMATION** or the conversion of an existing business into a **LIMITED COMPANY**, are invited to communicate with **MESSRS. ERNEST J. GEORGE & CO., 329 HIGH HOLBORN, LONDON, W.C.1, or COUNTY BUILDINGS, BRIDGE STREET, WALSALL**, whose specialised knowledge and experience in these matters will be placed at their disposal. *Companies with a small nominal capital can be formed at a very economical cost.*

## EDUCATIONAL

**PERSONAL TUITION** provided for all Optical Examinations with full facilities for practical research, by Registered Teacher of over 30 years' experience; a thorough Optical training. **L. L. LIEBERMANN, F.S.M.C., F.B.O.A., Registered Teacher** (late Lecturer, College of Technology, Manchester University), 33 Cheetham Hill Road, Manchester. Booklet free on application.

**WELL-PAID POSITIONS WAITING FOR CHIROPODISTS.**—Seize this opportunity to enrol for the last of the successful six months' intensive courses shortly commencing. Future Courses considerably longer. Expert medical technical staff; up-to-date equipment, practical training in largest foot hospital. Write for Prospectus to **SECRETARY, NATIONAL SCHOOL OF CHIROPODY** (Dept. 90), 28 Bury New Road, Manchester, 8.

## BUSINESS OPPORTUNITIES

### TO PROGRESSIVE MANUFACTURING CHEMISTS

**SMALL**, sound, established firms of Manufacturing Chemists, wishing to develop big Proprietaries, are invited to write to the Advertisers, who wish to invest small capital on salary and profit-sharing basis, in independent organisation where new and existing lines can be developed on a national scale. The Advertisers have had years of experience with an outstandingly successful firm of manufacturing chemists. Principals only, write 349/735, Office of this Paper.

## NEW PROPRIETARY PRODUCT & STOCK AT "KNOCK-OUT" FOR QUICK SALE

Manufacturer has bulk tablet stock (unstamped) of entirely new product intended for National sales campaign. Gross retail value of stock if packed as originally intended would exceed £2,000. Owing to dislocation of plans through military duties will accept low spot cash offer for entire proposition and stock as made. An exceptional opportunity. Write 349/741, Office of this Paper.

## APPOINTMENTS

### NORWICH CORPORATION NORWICH INFIRMARY APPOINTMENT OF PHARMACIST

**APPLICATIONS** are invited for the appointment of Pharmacist from persons who hold the Minor or Major Qualifications of the Pharmaceutical Society; preference will be given to candidates who possess some knowledge of Bacteriological and Biochemical investigations.

Salary will be at the rate of £260 per annum, rising by annual increments of £15 to £290. For particulars of duties send stamped addressed foolscap envelope to

**THE SENIOR MEDICAL OFFICER,  
NORWICH INFIRMARY,  
BOWTHORPE ROAD, NORWICH.**

## SITUATIONS OPEN

### RETAIL (HOME)

6s. for 40 words or less; 1d. for every additional word, prepaid. (Box No., 1s. extra.)

**BIRMINGHAM.**—Qualified Manager required (age about 30), for a middle-class Dispensing business; must be capable, of smart appearance, and have undeniable references; salary £5. Write, giving full details, to "Non-Multiple," B/622, Office of *The Chemist and Druggist*, 111 New Street, Birmingham, 2.

**BIRMINGHAM.**—Required immediately, young Qualified Assistant, lady preferred but not essential; Dispensing and Counter work. Full particulars to E. W. Harber, 110 High Street, King's Heath.

**BRADFORD.**—Qualified Manager for suburban business; modern house and shop; married. Give usual particulars and earliest date free; photo if possible, height and references. Apply by letter to Best, 17 Manningham Lane, Bradford.

**BRISTOL.**—Qualified Assistant to take charge under supervision. Apply with usual particulars and salary required (an Unqualified Assistant might be considered), 349/733, Office of this Paper.

**FOLKESTONE.**—Qualified Assistant (male); permanency; middle-class Dispensing business with N.H.I. Write giving full particulars, stating salary required, to Chas. J. Taylor & Son, 31 Cheriton High Street, Folkestone.

**HANTS.**—Young Unqualified Assistant required for small country town; no Sunday duty. Apply in own handwriting, giving full particulars, stating salary required. Applications not answered in seven days respectfully declined. Trimming & Co., Alresford, Hants.

**KENT.**—Unqualified Assistant required shortly (age 25-30 years); agricultural experience an advantage; able to dispense accurately; salary £3. Apply 349/747, Office of this Paper.



**LONDON (Baker Street).**—Qualified gentleman (aged 25 to 30 years), accustomed to high-class Dispensing business. Apply Greenish, 20 Melcombe Street, Dorset Square, N.W.1.

**LONDON.**—Qualified Assistant (permanency), also temporary Assistant (qualification not essential) for three or four months during holidays; middle-class trade, with N.H.I. Dispensing. Apply (letter only), giving full particulars of experience, names of references, when disengaged, age and salary expected. "Chemist," 300 Amhurst Road, London, N.16.

**LONDON.**—Qualified Manager required for Family business in working-class district; salary £4 10s.; opportunity for progress. Apply 349/746, Office of this Paper.

**LONDON, S.E.**—Young Lady, M.P.S., required; General Retail, and N.H.I. Please state salary, age, experience, etc., in first letter. Apply 246/31, Office of this Paper.

**LONDON, W.1.**—Qualified Junior Assistant for Dispensing Counter; good opportunity for experience with excellent prospects. Write, stating age, height, experience and salary expected. 349/751, Office of this Paper.

**MANCHESTER.**—Qualified Woman Chemist required as Assistant at busy City Pharmacy; Toilet and Photographic experience an advantage. Apply 349/749, Office of this Paper.

**MANCHESTER, SALFORD.**—Wanted, Qualified Manager for Branch, to commence June 26 or shortly after; good knowledge of Window-dressing, Photography and a certain amount of Buying; permanency; wage £4 weekly, with 2½ per cent. commission on turnover (average at present over £50 a year), also if suitable living accommodation on the premises, with light. Apply, giving fullest particulars, to 1/23, Office of this Paper.

**MIDLANDS.**—Manufacturing town; Wanted, Qualified Chemist (male); used to good mixed business; age about 35 or over. Kindly state full particulars, salary, etc.; permanency to right man. Apply, Pills, 2/1, Office of this Paper.

**NORTH STAFFS.**—Qualified Chemist, male, wanted in a few weeks' time. Particulars of age, experience, salary, to T. Roberts (Chemists), Ltd., 1 Belgrave Road, Dresden, Longton, Stoke-on-Trent.

**WEST END.**—Junior Qualified Chemist required for seasonal position; probable permanency; good-class training and Dispensing experience necessary; West End experience not essential. Apply 349/745, Office of this Paper.

**WORCESTERSHIRE.**—Unqualified Assistant required immediately. State experience, age, salary required, when free. 1/24, Office of this Paper.

**ASSISTANT Pharmacists (men or women) (age under 40) required** at (i) Cane Hill Hospital, Coulsdon, Surrey; (ii) Long Grove Hospital, Epsom, Surrey (for nervous and mental disorders); must possess Pharmaceutical Society's qualification; salary £130 a year; hours, 21 a week (morning sessions only); non-pensionable. For application form, returnable by June 7, send stamped addressed foolscap envelope to Chief Officer (Cl./A), Mental Hospitals Department, Shell-Mex House, Strand, W.C.2. Marriage terminates service in case of woman. Canvassing disqualifies.

**JUNIOR Unqualified Assistant required;** capable Dispenser with good training and accustomed to better-class business. Write or 'phone, giving full details of experience, etc., and salary required, to John Stanley, Ltd., 196 Station Road, Edgware.

### PHOTOGRAPHS, TESTIMONIALS, &c.

When replying to advertisements in this section applicants are strongly advised not to send (unless specially requested) ORIGINAL TESTIMONIALS or VALUABLE PHOTOGRAPHS. Many of these announcements produce an exceptionally large response and, as can be readily understood, the task of returning photographs, testimonials, &c., is one of some difficulty.

**LADY Assistant, Unqualified,** required on Monday, June 5; good Window-dresser; hours 10 to 8 p.m.; Saturdays 9 p.m.; Thursdays 1 p.m.; no Sunday duty. State age, experience and salary required, Wilson & Co., 20 Chapel Market, Islington, N.1.

**LADY Assistant wanted for permanency;** not season only; Unqualified, with good experience in high-class Toilets and general Counter. Full particulars and photo if possible (will be returned) to Bayley's, Chemists, 26-27 Electric Parade, Clacton-on-Sea.

**LADY Pharmacist as section head** in small departmentalised store, Bromsgrove; one Assistant; 48 hours, no Sundays or Wednesdays; salary 85s. Application form from Ten Acres and Stirchley Co-operative Society, Ltd., Umberslade Road, Birmingham.

**PART-TIME Dispenser required,** near City; Mondays and Wednesdays 6-8, Saturdays 6-9; must be available throughout summer until October; 2s. 6d. per hour; quickness and accuracy essential. 2/20, Office of this Paper.

### PHARMACY

**EXPERIENCED FEMALE ASSISTANT REQUIRED;** must have had general Pharmaceutical and shop experience.

**FEMALE ASSISTANT REQUIRED FOR PHARMACY DISTRIBUTIVE DEPOT;** must have had Retail Pharmacy experience.

Widows and single persons only considered for the above positions.

Apply in writing, stating age and experience, to THE STAFF MANAGER, ROYAL ARSENAL CO-OPERATIVE SOCIETY, LIMITED, 113 Powis Street, Woolwich, S.E.18. Endorse envelope "Pharmacy."

NOTE.—Canvassing of members of the General Committee or Officials will disqualify.

**QUALIFIED Assistant (male or female) required for good-class** Family business in Cambridge. Apply 349/750, Office of this Paper.

**QUALIFIED Lady Assistant,** possessing good all-round Counter experience of modern Retail Pharmacy, Toilets and Photographic; competent Dispenser. State full particulars first letter, age, height, salary required, when disengaged and enclose recent photo to Principal, Body's Pharmacies, Southend-on-Sea.

**QUALIFIED Lady Assistant required as soon as possible;** congenial permanent position. Apply, with full particulars experience, references, age and salary required, living in or out. Would consider for season only. Williams & Baxter, Ltd., 38 St. Peter's Road, Great Yarmouth.

**SUPERINTENDENT CHEMIST-OPTICIAN (O.B.A.C.) required** to manage Pharmacy and Optical Department opening shortly. Applicants must, in addition to possessing the necessary professional qualifications, be accustomed to Buying, capable of Controlling Staff, and should have good experience in all branches of the business. N.U.C.O. scale of wages. Applications, stating age and experience, along with copies of two references, to be addressed to the Secretary, Ilkeston Co-operative Society, Ltd., 12 South Street, Ilkeston, Derby, to be received not later than May 31, endorsed "Chemist."

**UNQUALIFIED Assistant, male, required.** Please give full particulars of experience, age, height and salary to C. Dickinson, 119 South End, Croydon.

**UNQUALIFIED Assistant, quick and accurate Dispenser, for** Branch shop; permanency if suitable. Age, height, salary and photo (returnable), Mr. W. A. Woodman, Ward & Woodman, Gloucester.

**UNQUALIFIED Assistant wanted for busy Pharmacy;** must have fair Dispensing experience; good general knowledge of Pharmacy and capable of Window-dressing; good salary to the right man. Apply, giving references, and state when available, also enclosing photograph, to W. H. Green (Chemists), Ltd., 20 City Arcade, Coventry.

**UNQUALIFIED Assistant with general experience and good** Counter manner required for London, S.W.1. Please supply usual particulars and state salary. Application not answered in six days respectfully declined. 1/3, Office of this Paper.



**UNQUALIFIED** Junior Assistant required for medium-class business in S.W. London. Please give all details of experience and salary required to Peters, Chemist, 186 Lavender Hill, London, S.W.11.

**VACANCIES** exist for young Qualified Chemists at branches in the South of England; these posts offer excellent business training for enterprising young Pharmacists; after training, permanencies and managements will be given to suitable men. Apply, giving full details, to Retail Staff Manager, Timothy Whites & Taylors, Ltd., 70 Vauxhall Bridge Road, London, S.W.1.

**WANTED**.—A Qualified Chemist, honest and trustworthy, good Window-dresser; smart appearance; accurate Dispenser. Write, stating age, experience, salary required, when able to commence duties, to K., 77 High Street, London, N.W.1.

**WANTED**.—Assistant (lady preferred) for Counter and Windows. State age, experience and salary required, etc., Tucker, Ltd., 5 Spital Street, Dartford.

**WANTED**.—Capable, Qualified Assistant for market town in Lincolnshire, one having good knowledge of Agricultural business; comfortable post; good salary to right man. Apply 349/736, Office of this Paper.

**YOUNG**, energetic, Qualified; June 5; commencing 85s.; Scot preferred; good prospects; 5-day week. Vincent's Pharmacy, S.E.18.

**YOUNG** Lady, Qualified; Central London Pharmacy; permanency. Apply "Y," 349/738, Office of this Paper.

**YOUNG** Qualified Manager for branch in working-class district; used to large N.H.I.; living accommodation. Apply, giving usual particulars, to Peters, Chemist, 186 Lavender Hill, S.W.11.

**A FEW KEEN AMBITIOUS MEN** required to be trained by well-known sales managers to occupy responsible sales posts in leading firm; there is definitely a shortage of qualified men and good positions are **GUARANTEED**. Write for prospectus and specimen list of salaried vacancies available; please state also present qualifications. The National School of Salesmanship, Ltd., Dept S, Bridgewater House, Manchester, 1. London Office: Victoria House (front entrance), Southampton Row, W.C.1. Tel.: CHAncery 6969. (2 lines).

### VACANCIES FOR LOCUMS

**BIRMINGHAM**.—Qualified Chemist required for relief duty immediately; permanency may result. Apply 349/748, Office of this Paper.

**BOURNEMOUTH**.—Holiday Junior wanted from July 8 to August 4 inclusive. Give all particulars and references in first letter, stating salary required, enclose photo if possible, Cumber, Chemist, Winton, Bournemouth.

### DURHAM COUNTY HOSPITAL (100 BEDS)

**LOCUM** Pharmacist required for two weeks (July 3 to 15 inclusive), four guineas per week. Applications to the undersigned not later than June 15, with particulars of experience and testimonials.

NORMAN BROWN, Secretary.

**LONDON, W.C.1**.—Locum, from June 5 for two weeks; Qualification not necessary; must be good Dispenser. Elwy, 75 Hornsey Rise, N.19. Phone Terminus 3949.

**QUALIFIED** Locum required for June 26 to July 9. Apply, stating age, salary and experience, etc., to Harrison, 464 Holderness Road, Hull.

**TIMOTHY WHITES & TAYLORS** have seasonal vacancies at Littlehampton, Brighton, Herne Bay, and in Devon and Cornwall, for Unqualified Assistants; opportunity for interesting and valuable experience under good conditions. Apply giving full particulars, to Retail Staff Manager, 70 Vauxhall Bridge Road, London, S.W.1.

**UNQUALIFIED** Junior, male, Locum, required June 19 to July 1, both inclusive. Apply, stating full particulars, to A. Woolf, 229 Golders Green Road, N.W.11.

**UNQUALIFIED** Locum, June 19 to July 29, with first-class knowledge of Photography. Give full particulars and salary required. No reply seven days respectfully declined. Apply Frith Bros., 114 Heath Road, Twickenham.

**YOUNG** Assistant (male or female) required for season in good-class Pharmacy. Please send particulars of experience and salary required and enclose photograph. E. Thorp & Son, Bognor Regis.

### WHOLESALE

**EXPERIENCED** Representative for Gloucester, Worcester, Warwick, etc., already calling on Chemists, etc., required by leading advertised proprietaries house; excellent opportunity for experienced and willing worker. Give full details, age, experience, salary required, etc., to 349/730, Office of this Paper.

**A REPRESENTATIVE** or Agent required for Scotland, and one for Lancashire area (a few other areas also vacant); sound current connexion with Manufacturing and Wholesale Chemists, Retail Chemists and Druggists, etc., essential; lines include specialised Pharmaceutical products, general Medicinal Tablets in bulk or packed, etc.; remuneration by expenses and commission. 349/740, Office of this Paper.

**A WELL-KNOWN** Packed Goods house requires experienced Representative for established South London territory; photo and copies of references must accompany application; age limit, 45; excellent opportunity; car provided; remuneration by wage, expenses and commission. 250/6, Office of this Paper.

**EXPERIENCED** Representative for Northumberland, Cumberland, Durham and Westmorland, already calling on Chemists, etc., required by leading advertised proprietaries house; excellent opportunity for experienced and willing worker. Give full details, age, experience, salary required, etc., 349/732, Office of this Paper.

**OLD-ESTABLISHED** House requires smart Man representing one or more non-competing houses to carry Confectionery, Medicinal Lozenges, Pastilles and Compressed Drugs and Tablets to Chemists; attractive commission and prospects for suitable applicant. Apply in strict confidence, stating territory. 349/743, Office of this Paper.

### REPRESENTATIVES

**HAVING** first-class connexions among Retail Chemists on SOUTH AND WEST COASTS, IN WALES, LANCASHIRE, YORKSHIRE, LINCOLNSHIRE AND SCOTLAND, required by well-known company for distribution of new exceptional line in SUN SPECTACLES. 349/742, Office of this Paper.

**REPRESENTATIVES** required for all counties and Scotland for firm manufacturing Toilet Paper, Paper Handkerchiefs, Crepe Papers, etc.; only first-class men with live connexions with Departmental Stores, Wholesale Grocers, Chemists, Co-operative Stores, Paper Merchants, etc., need apply; salary and commission offered to good men. Write, stating age, experience, to 349/734, Office of this Paper.

**EXPERIENCED** Scottish Representative for Perthshire and Counties north, already calling on Chemists, etc., required by leading advertised proprietaries house; excellent opportunity for experienced and willing worker. Give full details, age, experience, salary required, etc., to 349/731, Office of this Paper.

**SALESMEN** wanted for new Hollywood Beauty Line; sound connexion amongst Stores, Chemists and Hairdressers essential; commission only, but permanency given to business-getters. Full particulars to Juliet Company, London, N.W.6.

**WHOLESALE** Chemists with established connexion require Representative for Yorkshire, Lancashire and Midlands; preference given to one at present calling upon Chemists in the West Riding, Yorks. Write, in confidence, stating if qualified, age, area covered, remuneration required and if clean driving licence. 349/737, Office of this Paper.

Continued on page xxii.



## SITUATIONS OPEN—WHOLESALE (cont.)

## WANTED A YOUNG CHEMIST WHO CAN WRITE

I am looking for a young man (25-30) to join the advertising side of this Company, which merchandises the products of the Vick Chemical Company in Europe. To be considered, he must have already demonstrated the highest business ability and proved to others that he possesses the rare quality of being able to write good, cogent English.

A knowledge of advertising and of one or more foreign languages would be useful, but not vital. He must be healthy, a good mixer and able to fit into a team, preferably a bachelor and free to travel sometimes.

Originality, knowledge of the pharmaceutical trade and ability to use the written word are essentials.

The job offered is unusually interesting, but only exceptional men will be considered.

Write, in confidence, giving all useful information to:—

**Managing Director**

**MORSE SALES COMPANY**  
211-215 Blackfriars Road  
LONDON, S.E.1

### COLONIAL, INDIAN AND FOREIGN

**HONG KONG.**—Qualified Assistant required, single (age under 30); with Wholesale and Manufacturing experience; 4 years' agreement with progressive salary. Full particulars of experience, when disengaged, to Hunter, Chemist, Aberdeen.

**TRINIDAD, BRITISH WEST INDIES.**—Qualified Assistant required for Drug Store with view Assistant Manager; good Salesman essential. Write, giving age, full details of experience to "Carib," c/o W. Abbott, Ltd., 32 Eastcheap, London, E.C.3.

## SITUATIONS WANTED

### RETAIL (HOME)

2s. for 18 words or less; 1d. for every additional word, prepaid. (Box No., 1s. extra.)

**ASSISTANT.** competent Dispenser, Salesman, Photography; single; active; elderly; Unqualified. Statim, 12 Highfield Avenue, Green Street Green, Farnborough, Kent.

**ASSISTANT.** Unqualified, experienced; capable, reliable; good references; free now. Williams, 218 Lozells Road, Birmingham, 19.

**ASSISTANT.** Unqualified (age 27), married, seeks situation; 12 years Retail Drug Trade. 2/5, Office of this Paper.

**ASSISTANT.** Unqualified (44), thoroughly experienced Dispensing, Prescribing, private family business; London preferred. A. W. May, 62 Richmond Road, Thornton Heath.

**CHEMIST'S** Daughter requires post as Unqualified Assistant; Kent preferred. Miss Gort, 98 Loudon Road, Sevenoaks, Kent.

**M.P.S.,** London and Suburban experience, as Manager (37); modern Toilet, Photographic and Dispensing; Qualified Optics; free 27th; permanency preferred. "Chemist," 124 Sunningfields Road, Hendon, N.W.4.

**PHARMACIST** requires Managership, permanent; excellent references, experience as Manager, high-class and N.H.I. Dispensing, Photographic, etc. Pharmacist, 27A Clarence Terrace, Barkingside.

**PHARMACIST**, wide, all-round experience; Management, Buying; conversant in all branches, seeks Senior position. Pharmacist, 127 Mantilla Road, Tooting Bec, S.W.17.

**PHARMACIST** (55), active, reliable, seeks change; Family, Dispensing, Prescribing, Photography; W. districts preferred. 71 Speldhurst Road, W.4.

**PHARMACIST** (26) of good education and appearance, with high-class experience West End and Riviera; desires seasonal appointment. 1/6, Office of this Paper.

**THOROUGHLY** experienced Unqualified man requires berth; middle-aged; free; London postal area only. Whyatt, 5 Cameron Road, Seven Kings.

**UNQUALIFIED**, Locum or permanency; good experience; excellent references. Newson, 80 Woodside Avenue, Wembley, Middlesex.

**YOUNG**, Part I, experienced high-class Toilets, Photographic, private and N.H.I.; excellent references. 47 Great Dover Street, S.E.1.

### LOCUMS SEEKING ENGAGEMENTS

**A** Locum, retired Chemist, 30 years' experience; £5 weekly; disengaged till June 26. Joseph H. Smith, c/o Prichard, Promenade, Cheltenham Spa.

**BRIGHTON**, Hove and South Coast. Mr. F. W. Elliott, M.P.S., F.I.O. (O.B.A.C.), having disposed of his business, is open to accept responsible Locum duty June 12 to 17, July 3 to 15, from July 24 onwards. 31 Cannon Place, Brighton.

**FREE** June 5-19; Qualified (age 32); thoroughly experienced; highest references. 1/2, Office of this Paper.

**PHARMACIST** (26), desires Locums; free now; resident in London, but willing to travel; sound references. 1/17, Office of this Paper.

**QUALIFIED** Locum (46), excellent references; free June 4-11, June 25-July 16, and end of August. Bray, 68 Dawes Avenue, Wallisdown, Bournemouth.

**QUALIFIED**, young, experienced, recommended; vacant dates, May 26-June 3 and later. Phone Preston 2307. Cordes, 122 Overhill Drive, Brighton 6.

**QUALIFIED** (30) desires Locum engagements until September; free now; excellent experience; preferably within 1 hour journey Hammersmith; 5 guineas weekly. "Statim," 20 Elm Grove Road, Barnes, S.W.15.

### WHOLESALE

**A** LIVE experienced Representative, excellent connexion North-Western Counties and North Wales; actual records of selling ability; seeks salaried position. E. G. Edwards, 71 Egerton Street, Wallasey.

**A** DVERTISER (27), fully experienced in Tablet Manufacture and Sugar Coating, desires change; sound business and clerical knowledge; well educated; used to control of staff. "Ambitious," 2/27, Office of this Paper.

**K** EEN Business-getter connected Wholesale/Retail Chemists. Sundriesmen, Midlands, Northern England, wishes to represent established concern; own car. Inman, 19 Falkland Rise, Leeds, 7.

**M** R. W. R. ROBERTS, for 10 years Sales Supervisor to Leading Proprietary House, offers his services to progressive house where his practical knowledge of Sales and Distribution would be valuable. 2/7, Office of this Paper.



**SPOT CASH BUYER**

- For: SURPLUS STOCKS, DISCONTINUED LINES
- MISCELLANEOUS GOODS, &c.

**M. WINRABE**, 22 ALDERSGATE ST., LONDON, E.C.1  
DISTANCE NO OBJECT. PHONE: NAT 1091, 2120

**P**ORTSMOUTH to Penzance, South Wales and West of England, Representative (29 years of age), Public School; 12 years Representative; experienced; present duties include General Representation, Retail Publicity; Lectures to Consumers, and Medical Propaganda; seeks change; salary and expenses. 247/6, Office of this Paper.

**P**OSITION required by Representative with good first-class connexions Chemists, Hairdressers, Stores, Midlands, London or South Coast; Chemicals, Toilets, Sundries; smart, energetic; own car; results guaranteed; would consider agencies. P.C.B. 317/33, Office of this Paper.

**Q**UALIFIED (29), smart appearance, excellent experience, including Continental, desires position as Representative where keen Salesmanship and enthusiasm for hard work are main factors; London or Home Counties preferred; car driver. 2/3, Office of this Paper.

**S**ALES MANAGER (age 32), Public School education; thorough training and knowledge Pharmacy and Medical Sciences; excellent experience, Retail, Wholesale, Manufacturing Pharmacy and Medical propaganda; seeks position as Sales Manager; excellent references. 1/26, Office of this Paper.

**T**ABLET-MAKER long experience all kinds Tablets, Pharmacy, Dry Drugs; Putting-up, Labelling, etc.; own buying; present sole charge. 1/10, Office of this Paper.

**T**RAINEE.—Who would take young German refugee, keenly interested in Chemistry and Laboratory work, as trainee? P.C.B. 317/38, Office of this Paper.

**T**RAVELLER, connexions London and Southern Counties, desires change; first-class references, or on part-expenses and commission; Agency basis for London only. 2/23, Office of this Paper.

**COLONIAL, INDIAN AND FOREIGN**

**E**NGLISH Chemist-Optician (age 40); experienced in Tanganyika and Kenya; desires change, anywhere in East Africa, Nyasaland or N. Rhodesia; wife would help in Pharmacy if necessary; free end of September, before if necessary. Chemist, Box 29, Moshi, Tanganyika.

## THE SUPPLY OF SUPPLEMENTS

On receipt of addressed Post Office Wrappers (not more than six at a time) stamped 1d. the Chemist and Druggist Supplement will be forwarded without cost.

**LOOSE STAMPS WILL NOT BE ACCEPTED**

If wrappers bear a halfpenny stamp only, Postal delivery may be delayed

**CLEAR OUT—** your Old or Damaged Stock of Photo Goods.

Why keep them any longer? Turn them into CASH I GIVE BEST PRICES for Old Films (damaged, fogged or expired dates); Packet Papers. Cards (any sizes). Old Photo Goods or Cameras. Bromide Papers. Plates (all sizes, all makes). Send any goods in the photo line. I buy all, good or bad. Cash per return. A good price for all Cameras. Send them along.

**S. E. HACKETT**, 23 July Road, Liverpool, 6

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We offer our all round label service to the Manufacturing Chemist. Carillon Label printing is based on long experience of all that is best in Label printing. Send your enquiries for any kind of label—large or small. Let us quote you for your existing labels or submit really good sketches for your new labels by first class artists.

For labels write the

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**FOR SALE**

6s. for 36 words or less; 1d. for every additional word, prepaid. (Box No., 1s. extra.)

**E**NLARGERS.—Eastman Autofocus, 4.5 lens, takes up to half-plate negatives and enlarges from 1½ to 4½ dimensions; complete; good condition; £12. Also "Exact" Enlarger for miniature work, takes up to 4 by 4 cm. and enlarges from 2½ to 10 dimensions; as new, £9. Wrights, Ltd., Clarence Road, Derby.

**S**MALL CASH REGISTER, "National," prints sales, gives total, perfect; now unwanted; bargain. Write M. A. Baker, 6 Carlyle Road, Manor Park, E.12.

**MISCELLANEOUS**

10s. for 60 words or less; 1s. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

**C**ASH REGISTERS, NATIONAL, £10 TO £35; over 200 First-Class Machines almost new and reconditioned; complete overhauls and repairs. Estimates and Loan Machines Free. Cash Tills, 15s., guaranteed Genuine Bargains; no reasonable offer refused; visit London's Leading Bargain Depot. Write or 'phone. AMALGAMATED BUSINESS MACHINES, LTD., 78 LONG LANE, SMITHFIELD, E.C.1. 'Phone: NATIONAL 0674. Easy Terms, Exchanges. MACHINES BOUGHT FOR CASH.

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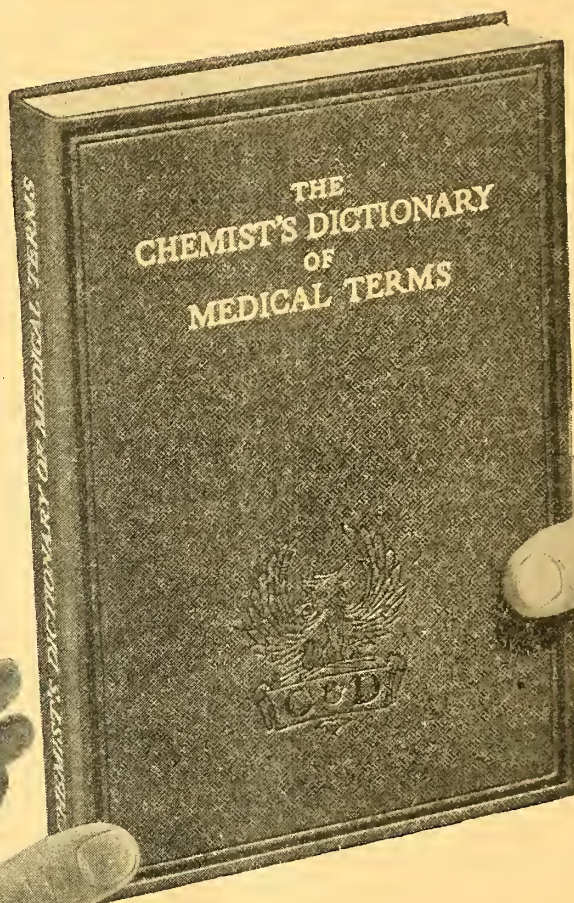
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